

Algebra I Lesson #4 Unit 2
Class Worksheet #4
For Worksheets 8 & 9

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

The SID Method

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$
 $8x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$
 $8x + 1$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

Subtract 1
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x =$$

Subtract 1
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

Subtract 1
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

Divide
both sides
by 8

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

$$x =$$

Divide
both sides
by 8

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

1. $5x + 3x + 1 = 17$

$$8x + 1 = 17$$

$$8x = 16$$

$$x = 2$$

Divide
both sides
by 8

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$1. \quad 5x + 3x + 1 = 17$$

$$8x + 1 = 17$$

$$8x = 16$$

$$x = 2$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$

The SID Method

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$
 $6x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$

$$6x + 3 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

2. $9x - 3x + 3 = 27$

$$6x + 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

Subtract 3
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x =$$

Subtract 3
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

Subtract 3
from
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

$$x =$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

$$x = 4$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$2. \quad 9x - 3x + 3 = 27$$

$$6x + 3 = 27$$

$$6x = 24$$

$$x = 4$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

The SID Method

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

$6x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$
 $6x - 3$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

$$6x - 3 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

3. $2x + 4x - 3 = 27$

$$6x - 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

Add 3
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x =$$

Add 3
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

Add 3
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

$$x =$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

$$x = 5$$

Divide
both sides
by 6

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$3. \quad 2x + 4x - 3 = 27$$

$$6x - 3 = 27$$

$$6x = 30$$

$$x = 5$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

The SID Method

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$
 $4x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$
 $4x - 7$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$
$$4x - 7 = 17$$

Add 7
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 = 17$$

$$4x =$$

Add 7
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 = 17$$

$$4x = 24$$

Add 7
to
each side.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

$$4x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

$$4x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 = 17$$

$$4x = 24$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

4. $x + 3x - 7 = 17$

$$4x - 7 = 17$$

$$4x = 24$$

$$x =$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

$$4x = 24$$

$$x = 6$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$4. \quad x + 3x - 7 = 17$$

$$4x - 7 = 17$$

$$4x = 24$$

$$x = 6$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

5. $3x + 5 + 4x = 19$

The SID Method


Algebra I Solving Equations The SID Method

5. $3x + 5 + 4x = 19$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$



The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$


$7x$



The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$5. \quad \begin{array}{c} \text{3x} + 5 + \text{4x} = 19 \\ \text{7x} + 5 \end{array}$$


The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

Subtract 5
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x =$$

Subtract 5
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

Subtract 5
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

$$x =$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

$$x = 2$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$5. \quad 3x + 5 + 4x = 19$$

$$7x + 5 = 19$$

$$7x = 14$$

$$x = 2$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$

The SID Method

Algebra I Solving Equations The SID Method


6. $2x + 1 + x = 19$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$



The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$6. \quad \begin{array}{c} \text{---} \\ \downarrow \quad \downarrow \\ 2x + 1 + x = 19 \\ 3x \end{array}$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$6. \quad \begin{array}{c} \overbrace{2x + 1 + x} \\ \downarrow \quad \downarrow \\ 3x + 1 \end{array} = 19$$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$6. \quad \begin{array}{c} \text{---} \text{---} \text{---} \\ \downarrow \quad \downarrow \\ 2x + 1 + x = 19 \\ 3x + 1 = \end{array}$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$

$$3x + 1 = 19$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$

$$3x + 1 = 19$$

Subtract 1
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$

$$3x + 1 = 19$$

$$3x =$$

Subtract 1
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

Subtract 1
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

6. $2x + 1 + x = 19$

$$3x + 1 = 19$$

$$3x = 18$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

$$x =$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

$$x = 6$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$6. \quad 2x + 1 + x = 19$$

$$3x + 1 = 19$$

$$3x = 18$$

$$x = 6$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

7. $6x + 2 - 3x = 26$

The SID Method


Algebra I Solving Equations The SID Method

7. $6x + 2 - 3x = 26$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$



The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$3x$



The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$7. \quad \begin{array}{c} \overbrace{6x + 2 - 3x} \\ \downarrow \quad \downarrow \\ 3x + 2 \end{array} = 26$$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

Subtract 2
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x =$$

Subtract 2
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

Subtract 2
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

$$x =$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

$$x = 8$$

Divide
both sides
by 3

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$7. \quad 6x + 2 - 3x = 26$$

$$3x + 2 = 26$$

$$3x = 24$$

$$x = 8$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

8. $7x + 10 - 2x = 35$

The SID Method


Algebra I Solving Equations The SID Method

8. $7x + 10 - 2x = 35$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method



8. $7x + 10 - 2x = 35$


The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$5x$



The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$8. \quad \begin{array}{c} \overbrace{7x + 10 - 2x} \\ \downarrow \quad \downarrow \\ 5x + 10 \end{array} = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method




8. $7x + 10 - 2x = 35$
 $5x + 10 =$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method



8. $7x + 10 - 2x = 35$
 $5x + 10 = 35$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x =$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

$$x =$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

$$x = 5$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$8. \quad 7x + 10 - 2x = 35$$

$$5x + 10 = 35$$

$$5x = 25$$

$$x = 5$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

9. $3x - 4 + 4x = 24$

The SID Method


Algebra I Solving Equations The SID Method

9. $3x - 4 + 4x = 24$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$


The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$9. \quad \begin{array}{c} \text{---} \\ \downarrow \quad \downarrow \\ 3x - 4 + 4x = 24 \\ 7x \end{array}$$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$9. \quad \begin{array}{c} \text{---} \text{---} \text{---} \text{---} \text{---} \\ \downarrow \quad \quad \quad \downarrow \\ 3x - 4 + 4x = 24 \\ 7x - 4 \end{array}$$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

Add 4
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x =$$

Add 4
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

Add 4
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

$$x =$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

$$x = 4$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$9. \quad 3x - 4 + 4x = 24$$

$$7x - 4 = 24$$

$$7x = 28$$

$$x = 4$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

10. $8x - 3 + 2x = 47$

The SID Method


Algebra I Solving Equations The SID Method

10. $8x - 3 + 2x = 47$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method


$$10. \quad 8x - 3 + 2x = 47$$


The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method


$$10. \quad 8x - 3 + 2x = 47$$


 $10x$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$10. \quad \begin{array}{c} \text{8x} - 3 + \text{2x} = 47 \\ \text{10x} - 3 \end{array}$$


The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

Add 3
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x =$$

Add 3
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

Add 3
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

$$x =$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

$$x = 5$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$10. \quad 8x - 3 + 2x = 47$$

$$10x - 3 = 47$$

$$10x = 50$$

$$x = 5$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

11. $8x - 1 - 4x = 23$

The SID Method


Algebra I Solving Equations The SID Method

11. $8x - 1 - 4x = 23$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$



The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$


$4x$



The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

Add 1
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x =$$

**Add 1
to
both sides.**

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

Add 1
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

$$x =$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

$$x = 6$$

Divide
both sides
by 4

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$11. \quad 8x - 1 - 4x = 23$$

$$4x - 1 = 23$$

$$4x = 24$$

$$x = 6$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

12. $6x - 7 - x = 33$

The SID Method


Algebra I Solving Equations The SID Method

12. $6x - 7 - x = 33$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$


The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad \begin{array}{c} \overbrace{6x - 7 - x} \\ \downarrow \quad \downarrow \\ 5x \end{array} = 33$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad \begin{array}{c} \overbrace{6x - 7 - x} \\ \downarrow \quad \downarrow \\ 5x - 7 \end{array} = 33$$

The SID Method

S stands for **Simplify** the expression on each side.


Algebra I Solving Equations The SID Method

$$12. \quad \begin{array}{c} \text{---} \text{---} \text{---} \text{---} \text{---} \text{---} \\ \downarrow \qquad \qquad \downarrow \\ 6x - 7 - x = 33 \\ 5x - 7 = \end{array}$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x =$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

$$x =$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

$$x = 8$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$12. \quad 6x - 7 - x = 33$$

$$5x - 7 = 33$$

$$5x = 40$$

$$x = 8$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

13. $3x + 2(x + 5) = 45$

The SID Method

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x +$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x =$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

Subtract 10
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

$$x =$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

$$x = 7$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$13. \quad 3x + 2(x + 5) = 45$$

$$3x + 2x + 10 = 45$$

$$5x + 10 = 45$$

$$5x = 35$$

$$x = 7$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

14. $2x + 3(x - 2) = 39$

The SID Method

Algebra I Solving Equations The SID Method

14. $2x + 3(x - 2) = 39$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x +$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

Add 6
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x =$$

Add 6
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

Add 6
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

$$x =$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

$$x = 9$$

Divide
both sides
by 5

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$14. \quad 2x + 3(x - 2) = 39$$

$$2x + 3x - 6 = 39$$

$$5x - 6 = 39$$

$$5x = 45$$

$$x = 9$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

15. $x + 4(x + 2) = 3(x + 6)$

The SID Method

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$x +$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

Subtract $3x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x$$

Subtract $3x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 =$$

Subtract $3x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

Subtract $3x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

Subtract 8
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x =$$

Subtract 8
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

Subtract 8
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

$$x =$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

$$x = 5$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$15. \quad x + 4(x + 2) = 3(x + 6)$$

$$x + 4x + 8 = 3x + 18$$

$$5x + 8 = 3x + 18$$

$$2x + 8 = 18$$

$$2x = 10$$

$$x = 5$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

16. $4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$

The SID Method

Algebra I Solving Equations The SID Method

16. $4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

16. $4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

16. $4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$

4x

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

16. $4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$

$$4x + 8$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$
$$4x + 8$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$
$$4x + 8 + 6x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$
$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

The SID Method

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Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$
$$4x + 8 + 6x + 15 = 3x + 5x + 35$$
$$10x$$

The SID Method

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Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x$$


The SID Method

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Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$



10x

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x$$

The SID Method

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Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

Subtract $8x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x$$

Subtract $8x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23$$

Subtract $8x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

Subtract $8x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

Subtract 23
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x =$$

Subtract 23
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

Subtract 23
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

$$x =$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

$$x = 6$$

Divide
both sides
by 2

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$16. \quad 4(x + 2) + 3(2x + 5) = 3x + 5(x + 7)$$

$$4x + 8 + 6x + 15 = 3x + 5x + 35$$

$$10x + 23 = 8x + 35$$

$$2x + 23 = 35$$

$$2x = 12$$

$$x = 6$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

17. $5(3x - 4) + 4x = 7x + 2(x + 5)$

The SID Method

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

17. $5(3x - 4) + 4x = 7x + 2(x + 5)$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

17. $5(3x - 4) + 4x = 7x + 2(x + 5)$
 $15x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

17. $5(3x - 4) + 4x = 7x + 2(x + 5)$
 $15x - 20$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

17. $5(3x - 4) + 4x = 7x + 2(x + 5)$
 $15x - 20 + 4x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x +$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x +$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$
$$15x - 20 + 4x = 7x + 2x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$
$$15x - 20 + 4x = 7x + 2x + 10$$
$$19x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$\begin{aligned} 17. \quad & 5(3x - 4) + 4x = 7x + 2(x + 5) \\ & 15x - 20 + 4x = 7x + 2x + 10 \\ & 19x - 20 \end{aligned}$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

Subtract $9x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x$$

Subtract $9x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20$$

Subtract $9x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

Subtract $9x$
from
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

Add 20
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x =$$

Add 20
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

Add 20
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

$$x =$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

$$x = 3$$

Divide
both sides
by 10

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

$$17. \quad 5(3x - 4) + 4x = 7x + 2(x + 5)$$

$$15x - 20 + 4x = 7x + 2x + 10$$

$$19x - 20 = 9x + 10$$

$$10x - 20 = 10$$

$$10x = 30$$

$$x = 3$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x .

Algebra I Solving Equations The SID Method

18. $4(x + 5) + 3(x - 9) = 35$

The SID Method

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

18. $4(x + 5) + 3(x - 9) = 35$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

18. $4(x + 5) + 3(x - 9) = 35$

4x

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

18. $4(x + 5) + 3(x - 9) = 35$

$4x + 20 +$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 +$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$
$$4x + 20 + 3x - 27 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$
$$4x + 20 + 3x - 27 = 35$$
$$7x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$7x$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 =$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x =$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

Add 7
to
both sides.

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

The SID Method

S stands for **Simplify** the expression on each side.

I stands for **Isolate** the variable.

D stands for **Divide** both sides by the coefficient of x.

Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

Divide
both sides
by 7

The SID Method

S stands for **Simplify** the expression on each side.

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Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

$$x =$$

Divide
both sides
by 7

The SID Method

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Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

$$4x + 20 + 3x - 27 = 35$$

$$7x - 7 = 35$$

$$7x = 42$$

$$x = 6$$

Divide
both sides
by 7

The SID Method

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Algebra I Solving Equations The SID Method

$$18. \quad 4(x + 5) + 3(x - 9) = 35$$

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Algebra I Solving Equations The SID Method

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Good luck on worksheet #8 !!

The SID Method

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