General Algebra II

Lesson #3 Unit 1

Class CWS #3

For Worksheets #5 & #6

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

1. $2 \leq 5x - 3 \leq 12$

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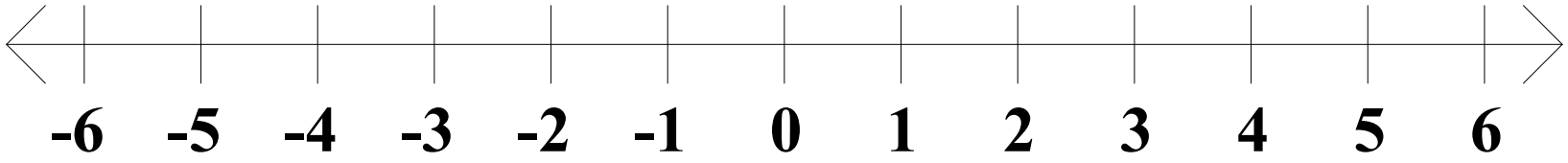

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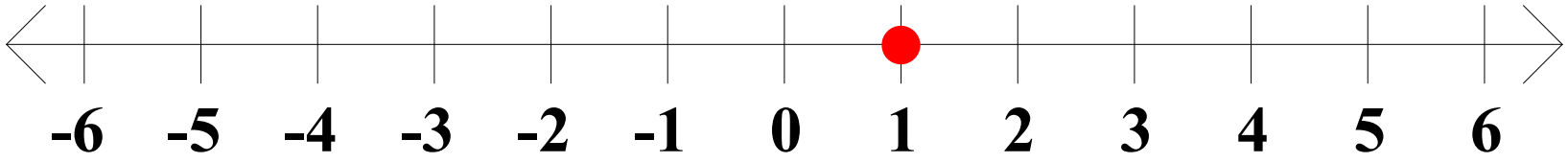

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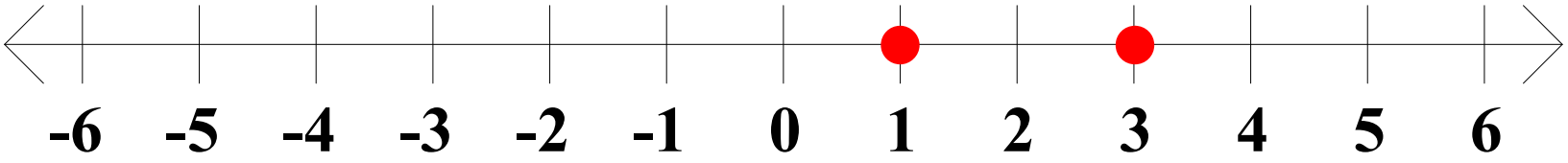

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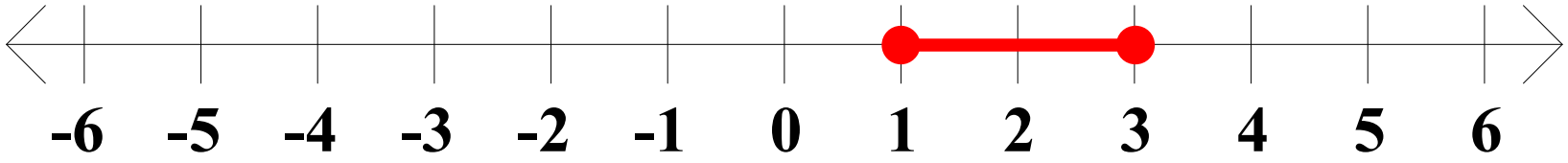

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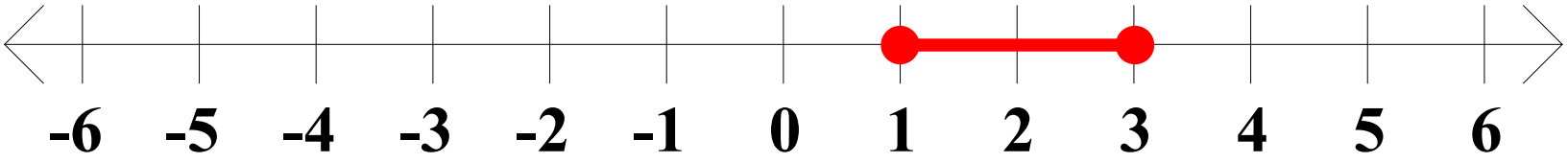

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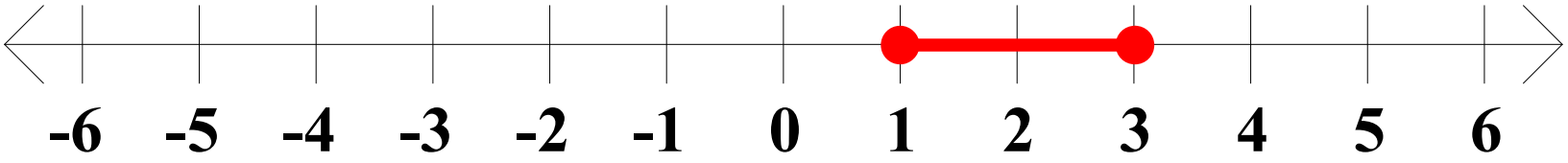

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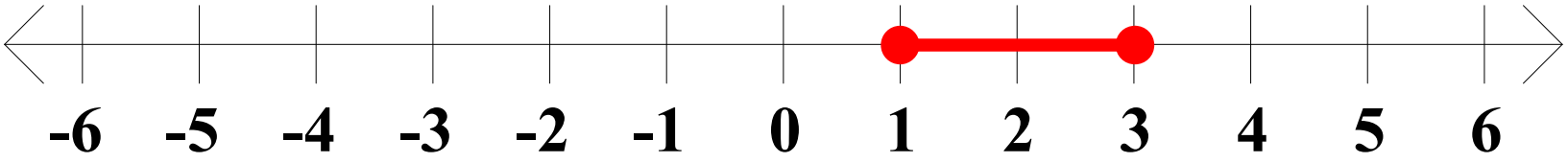

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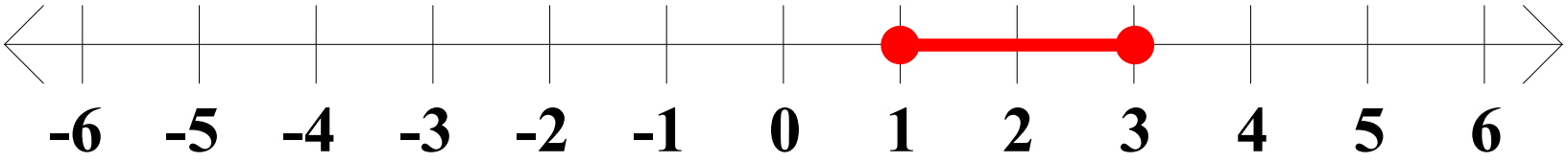

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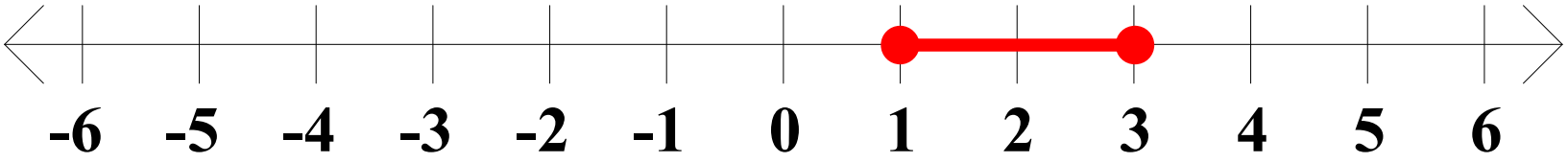

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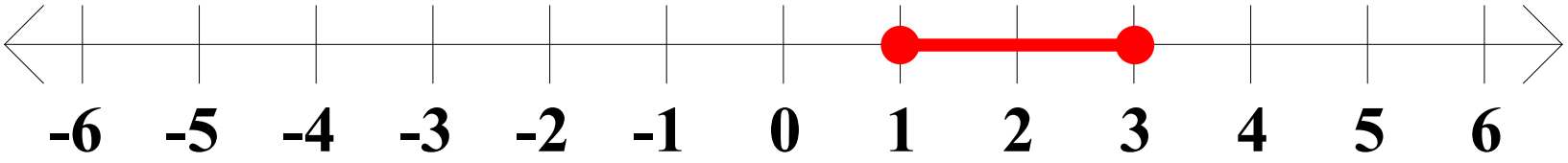

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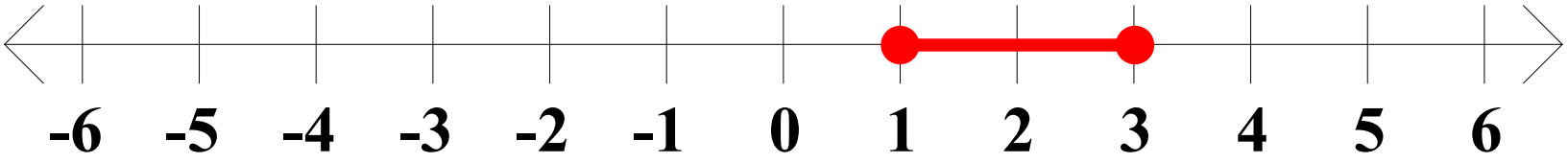

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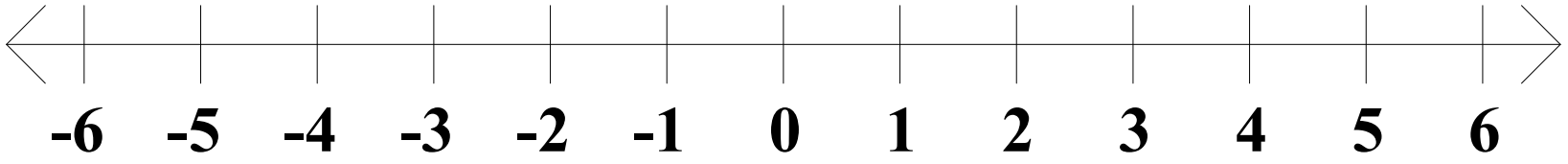

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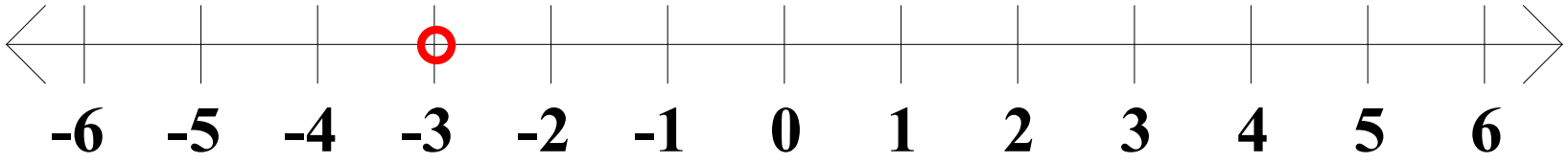

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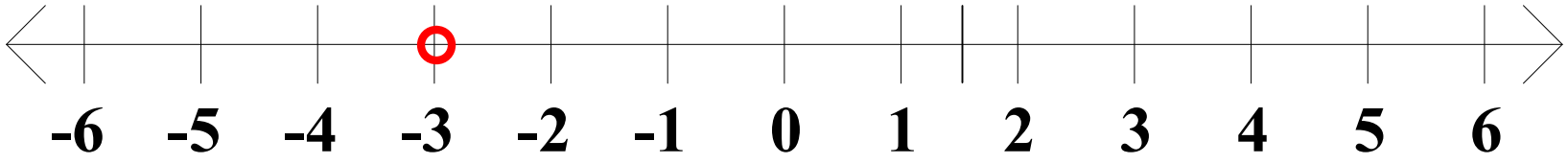

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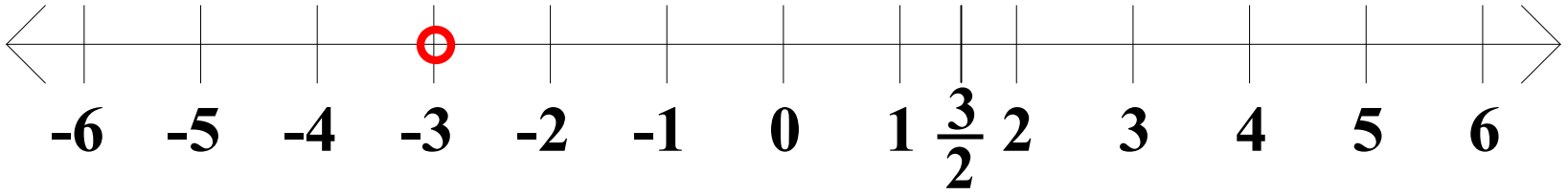

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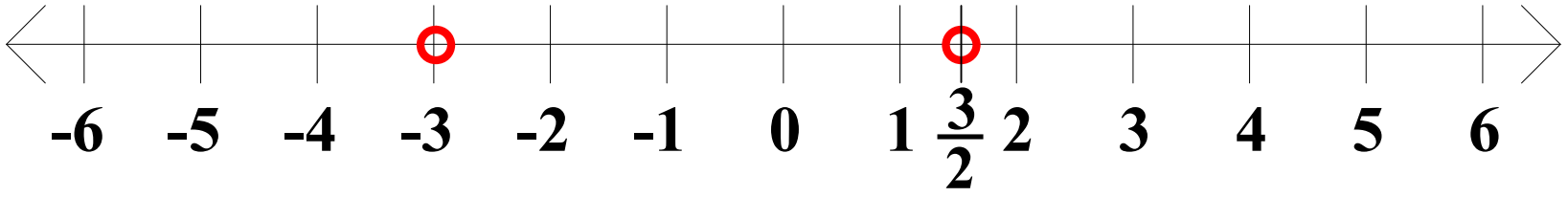

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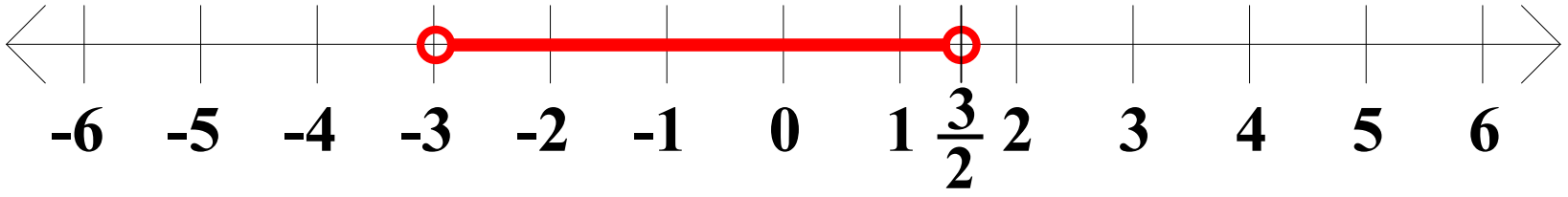

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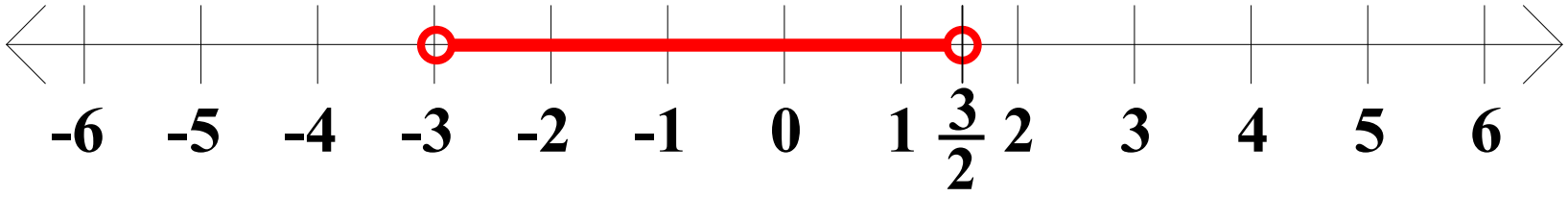

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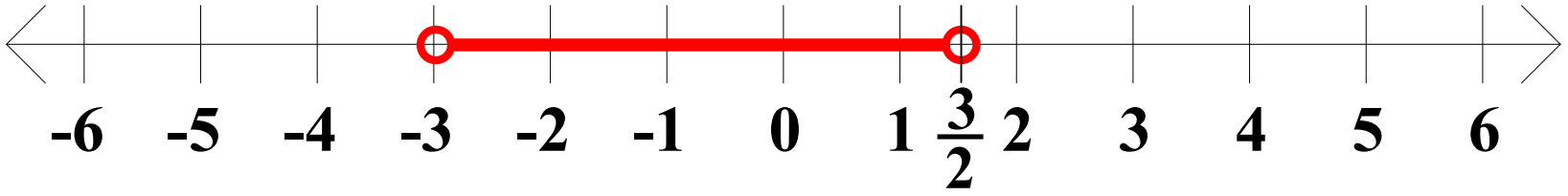

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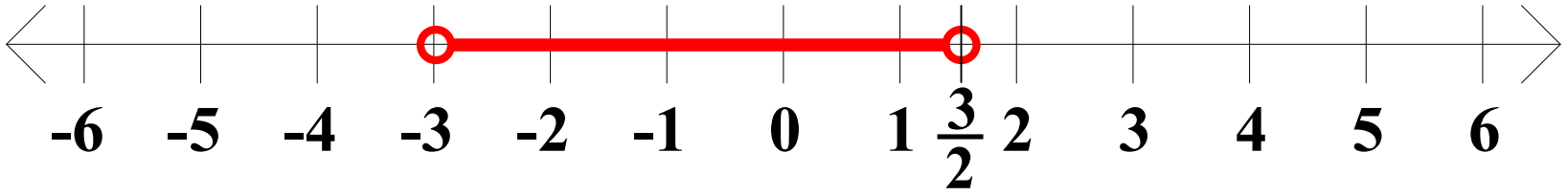

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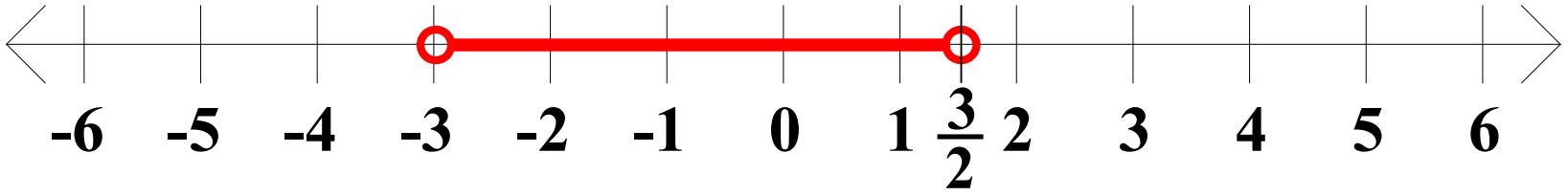

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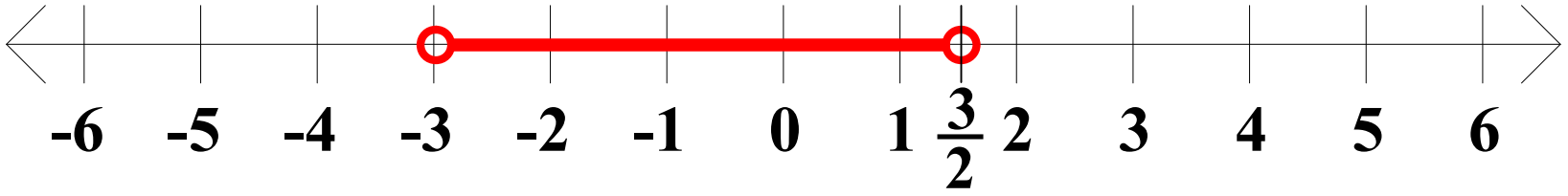

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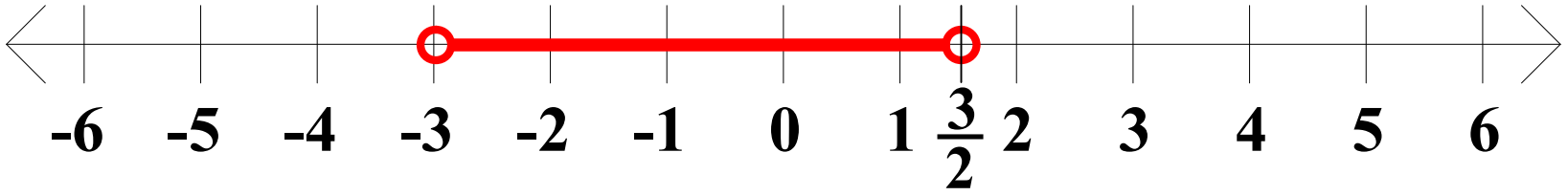

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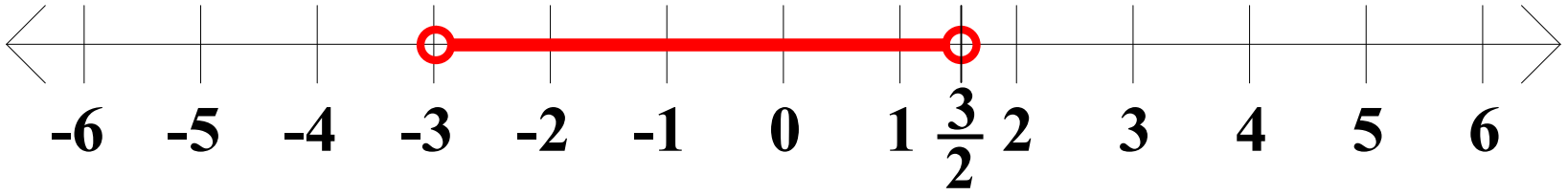

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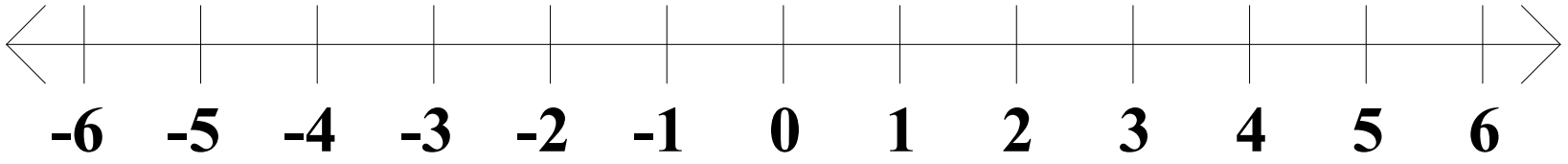

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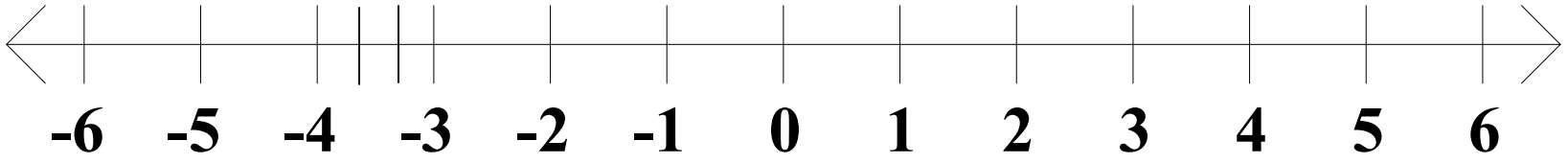

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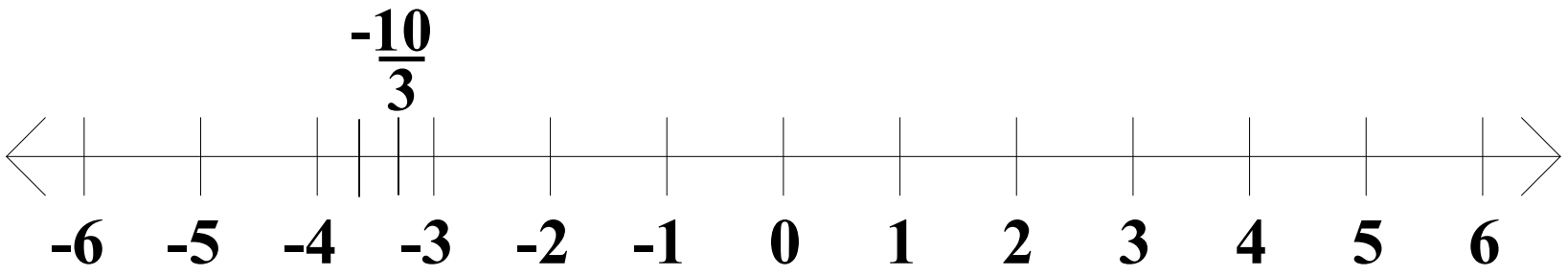

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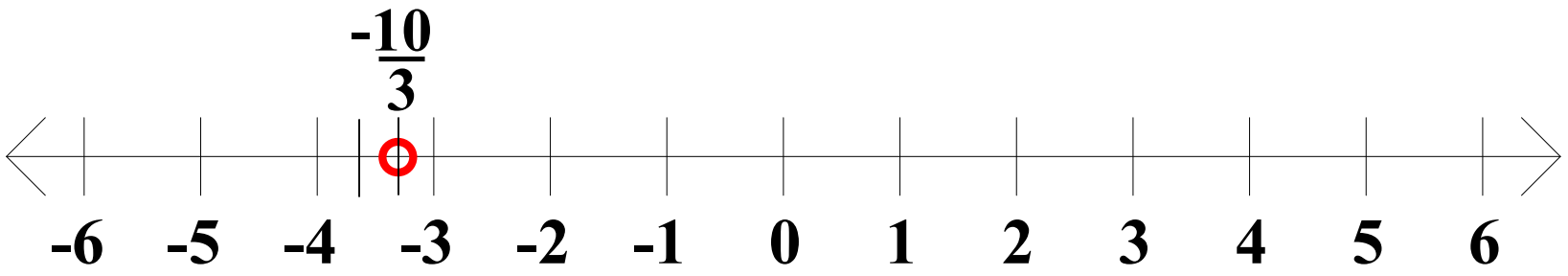

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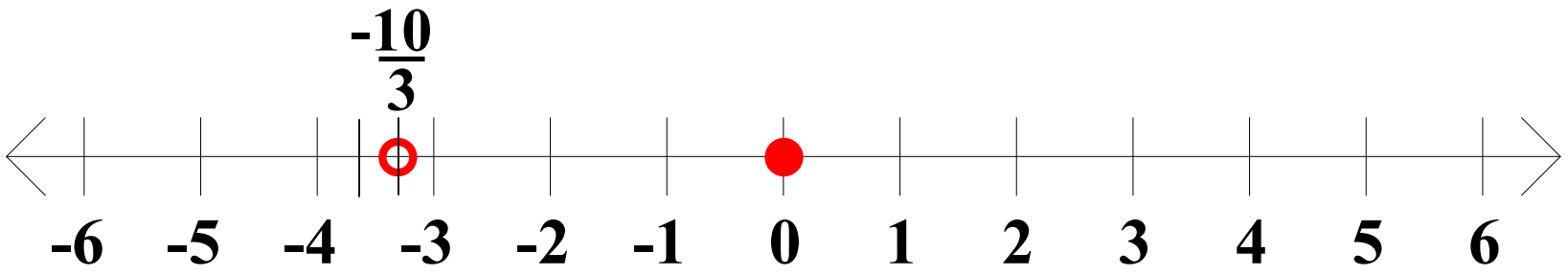

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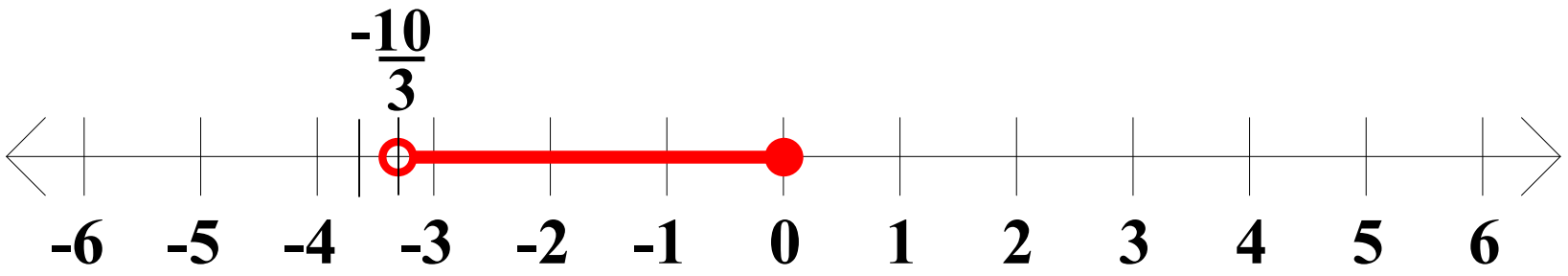


General Algebra II CWS #3 Unit 1

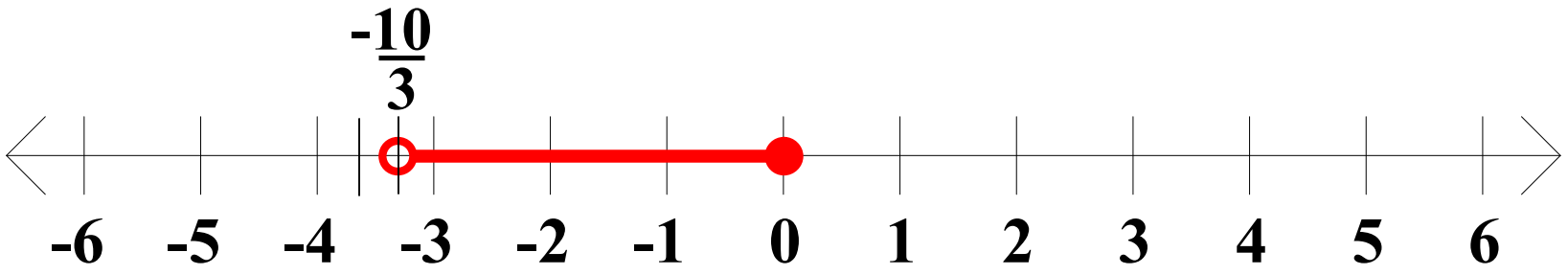
Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

3. $-5 < 3x + 5 \leq 5$

$-10 < 3x \leq 0$

$\frac{-10}{3} < x \leq 0$

S =



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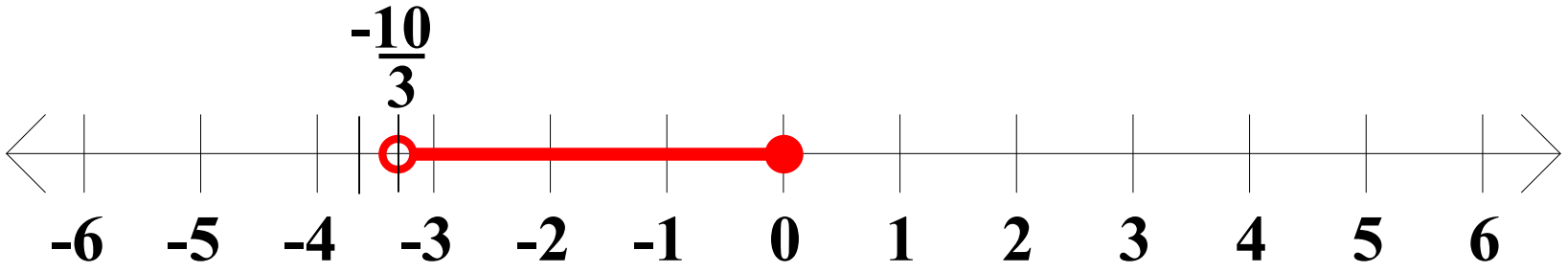

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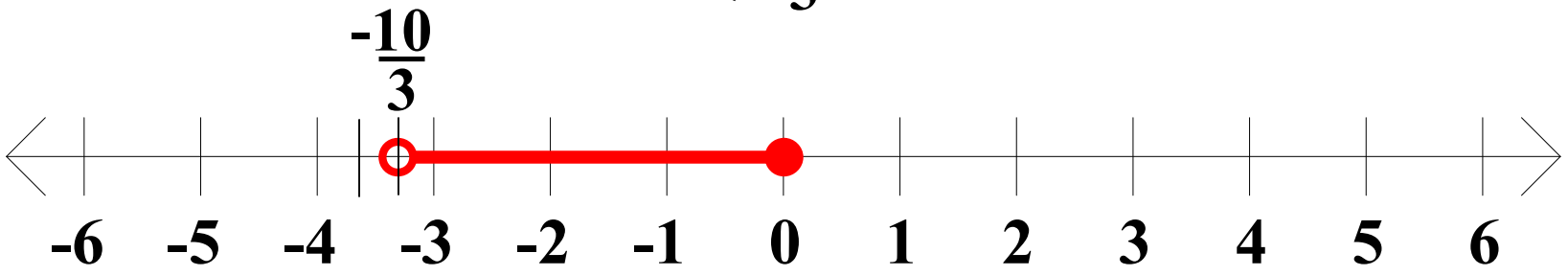

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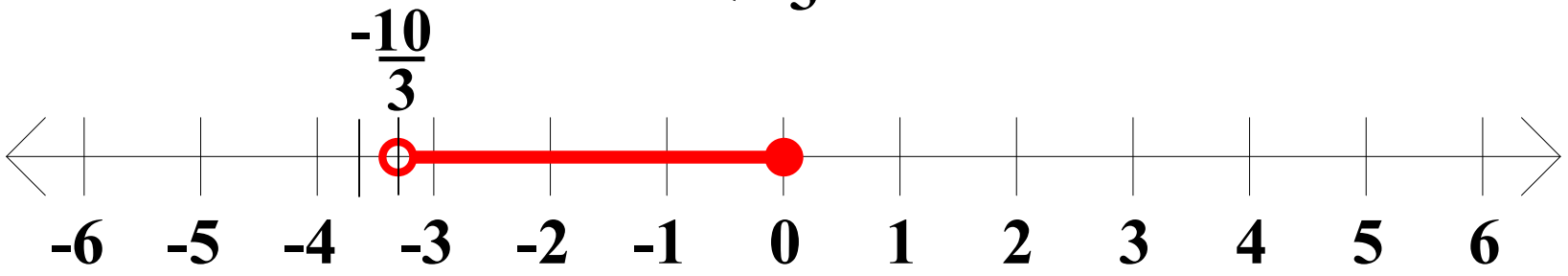

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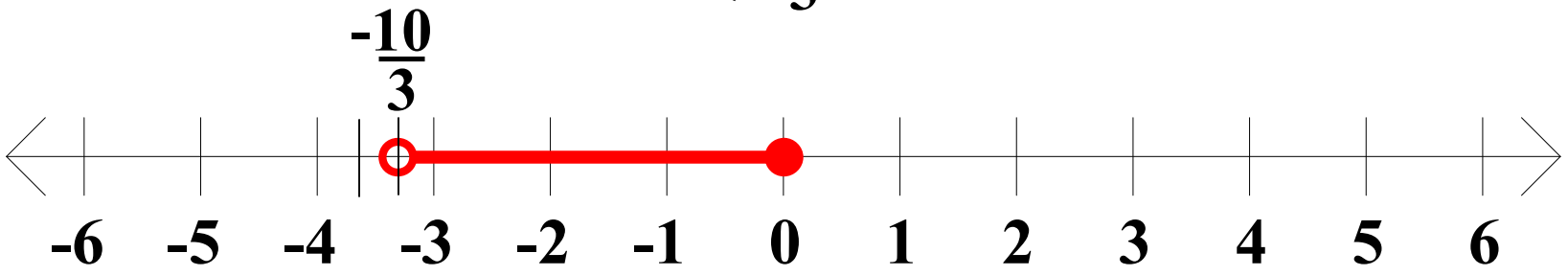

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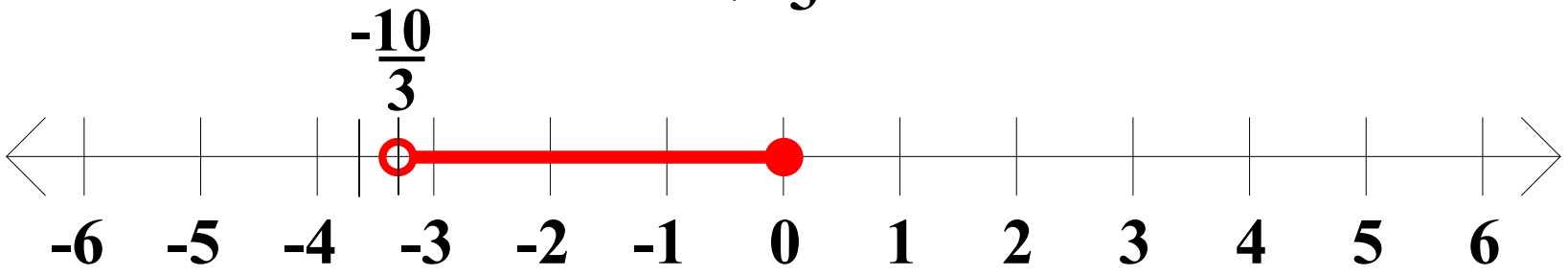

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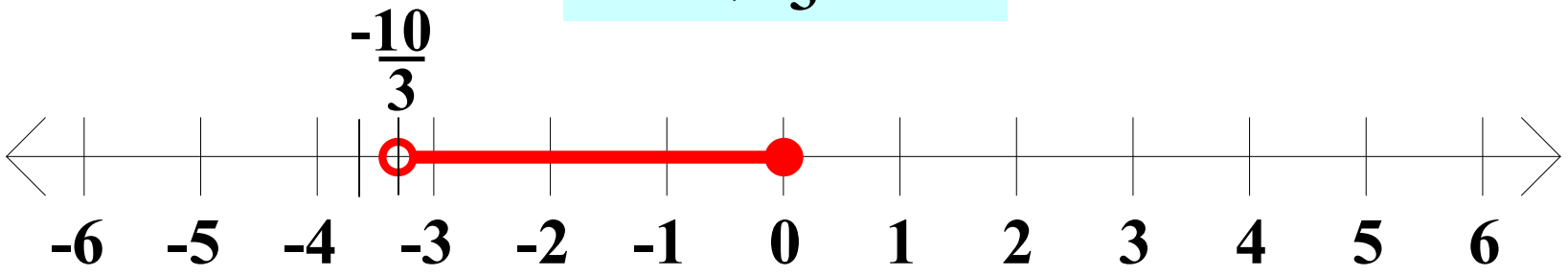

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

4. $-6 \leq 4x - 10 < 10$

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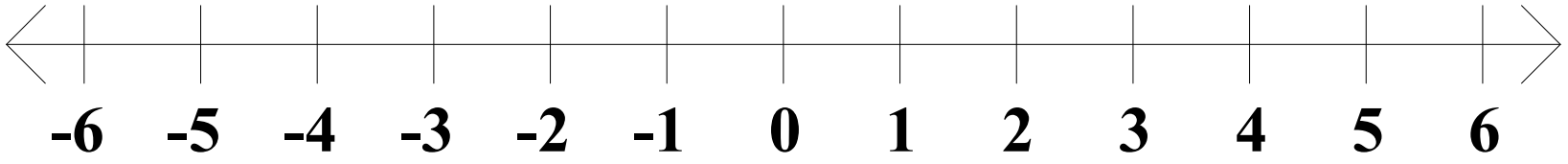

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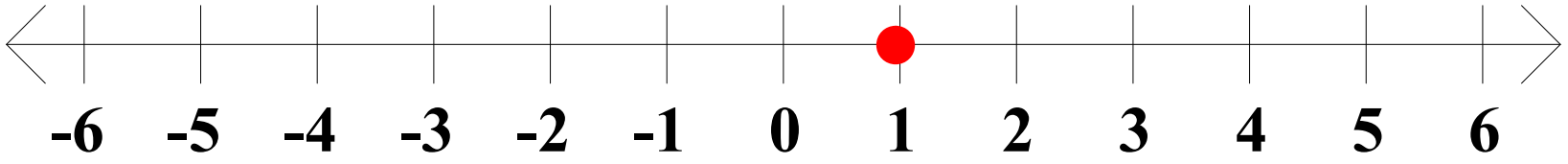

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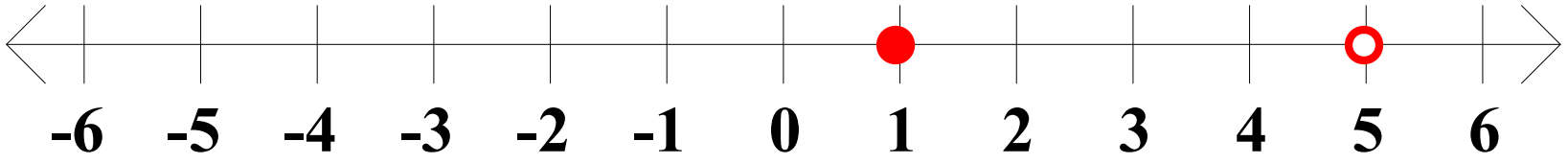

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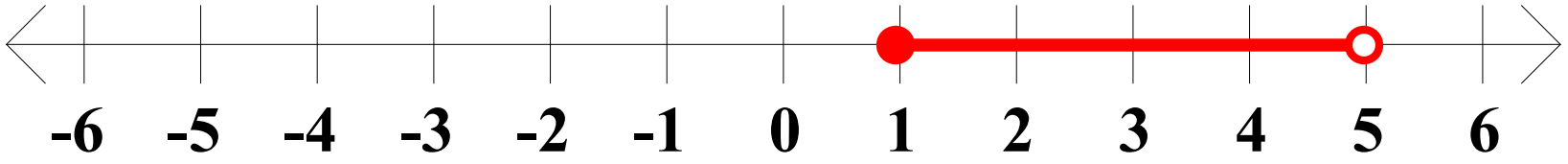

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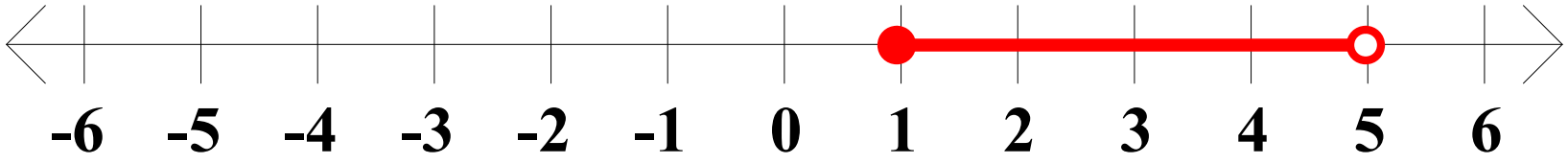

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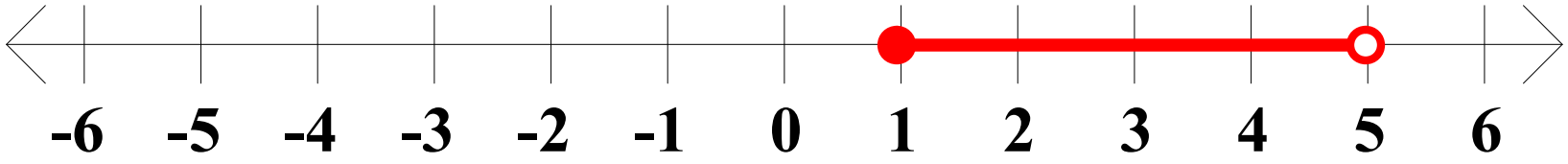

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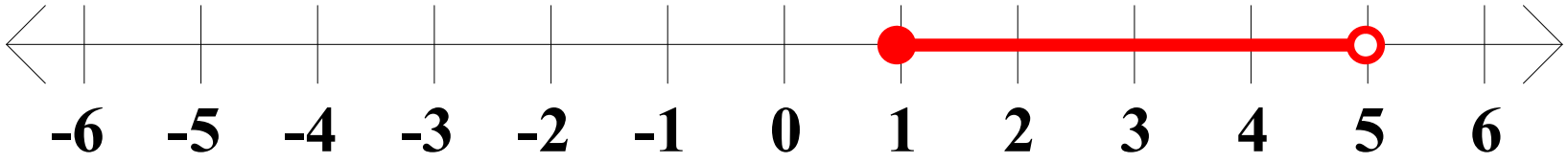

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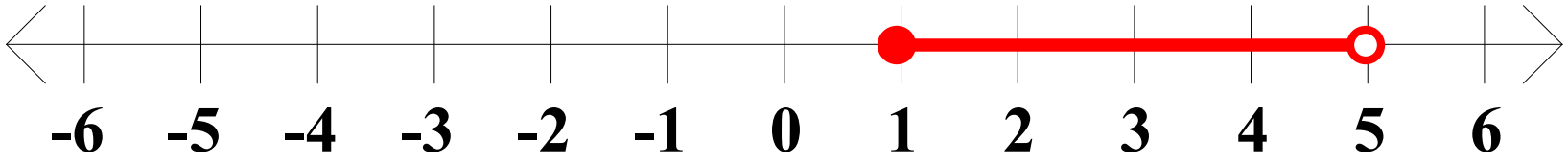

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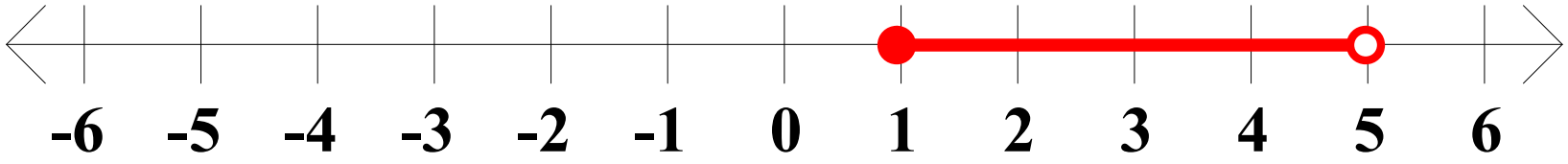

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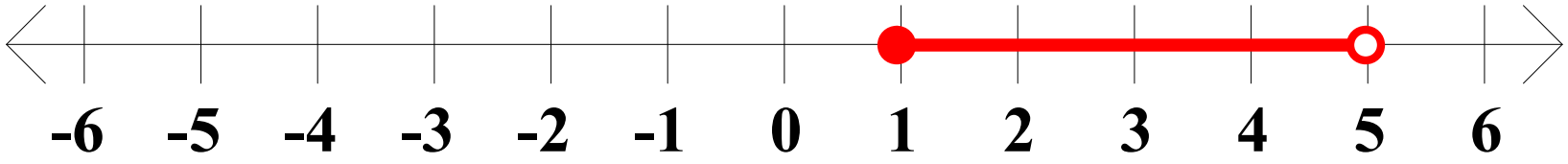

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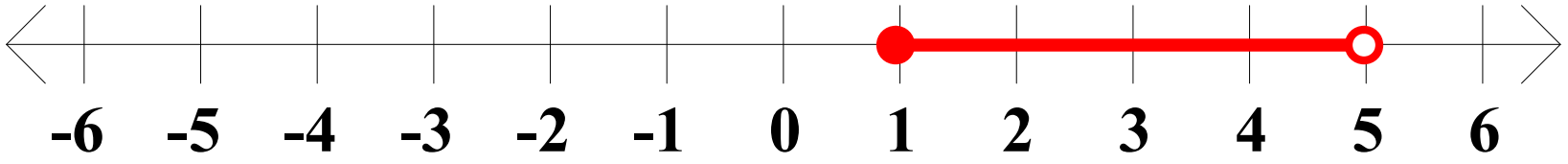

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

5. $-15 \leq -6x + 3 \leq 27$

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Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

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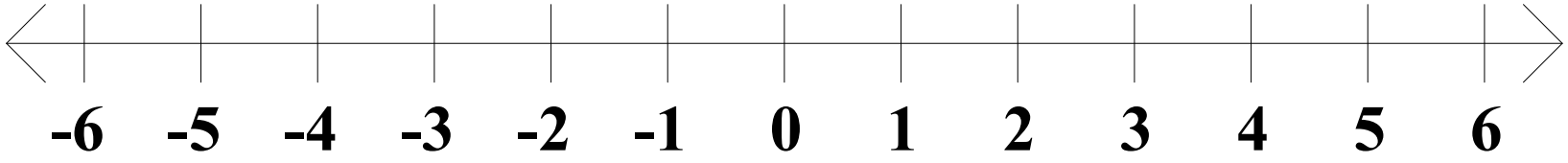

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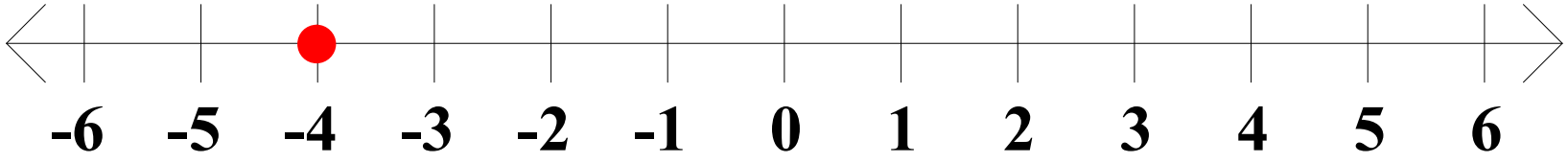

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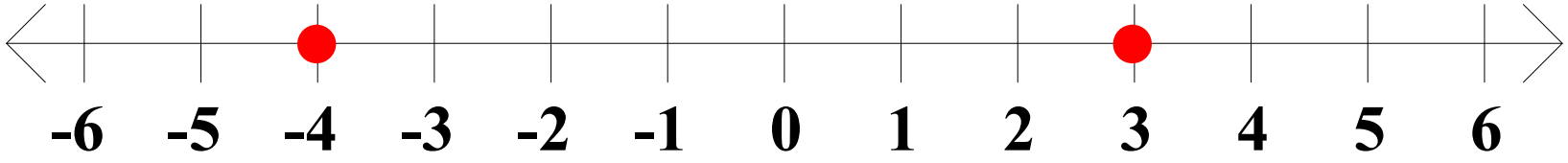

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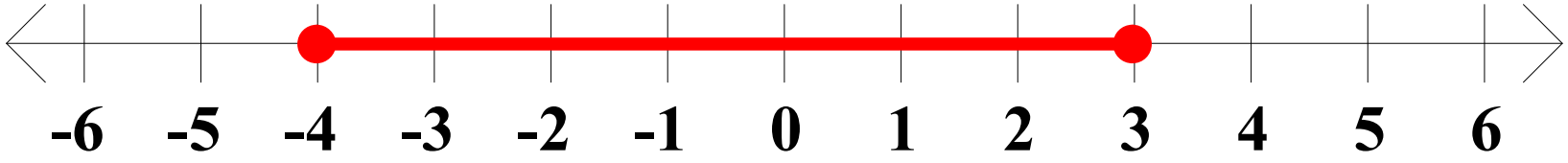

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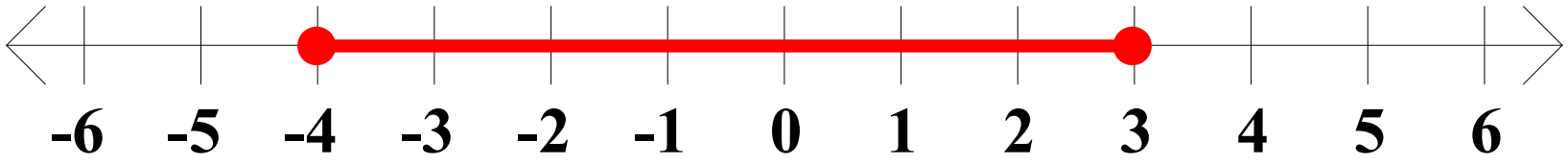

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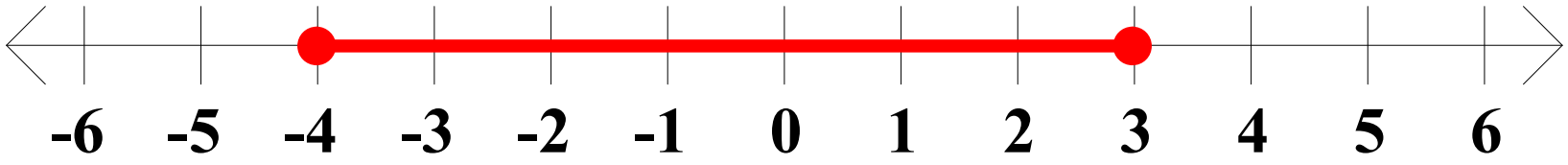

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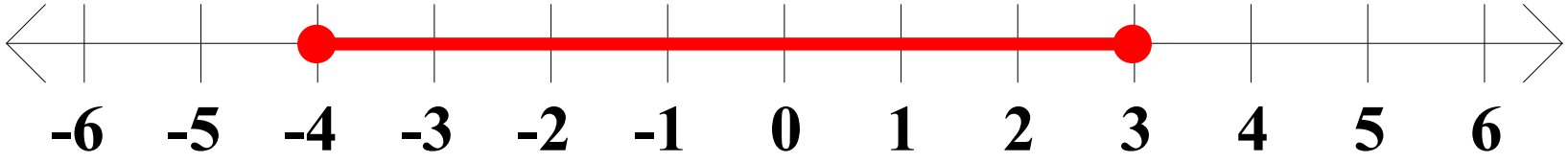

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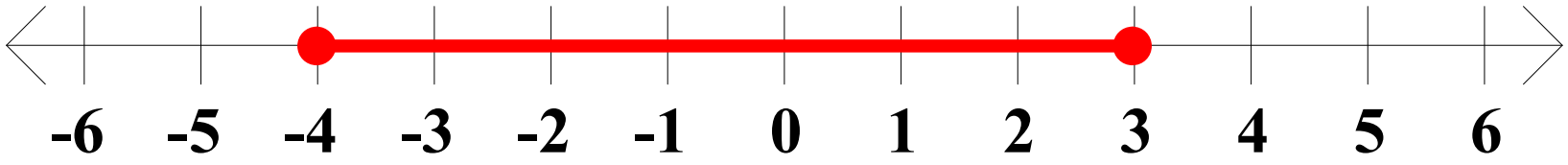

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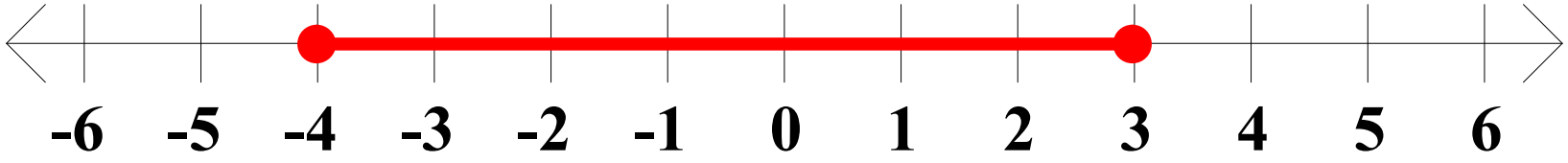

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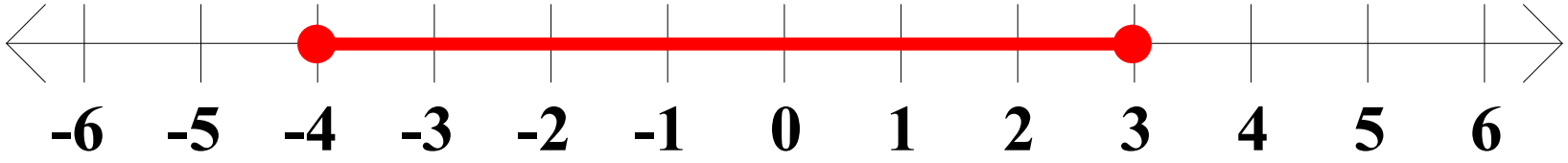

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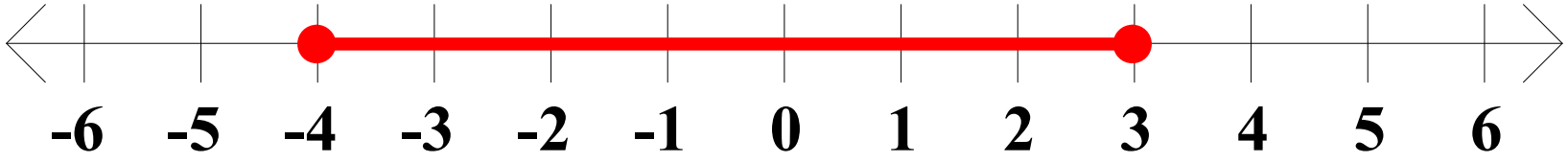

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

6. $-12 < -2x - 3 < 4$

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

6. $-12 < -2x - 3 < 4$

-9

General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

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$-9 <$

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General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

6. $-12 < -2x - 3 < 4$

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General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

6. $-12 < -2x - 3 < 4$

$$-9 < -2x < 7$$

$$\frac{9}{2}$$

General Algebra II CWS #3 Unit 1

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$$\frac{9}{2} >$$

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Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

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$\frac{9}{2} > x$

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General Algebra II CWS #3 Unit 1

Solve each of the following inequalities. Then express the solution set using interval notation and sketch its graph.

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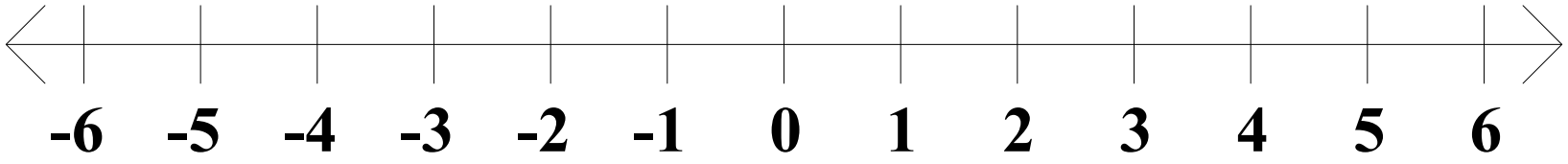

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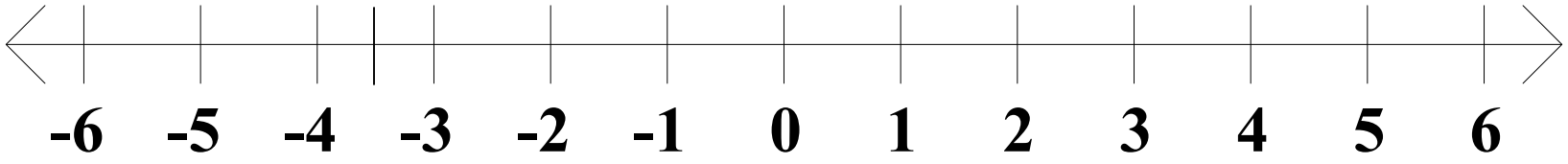

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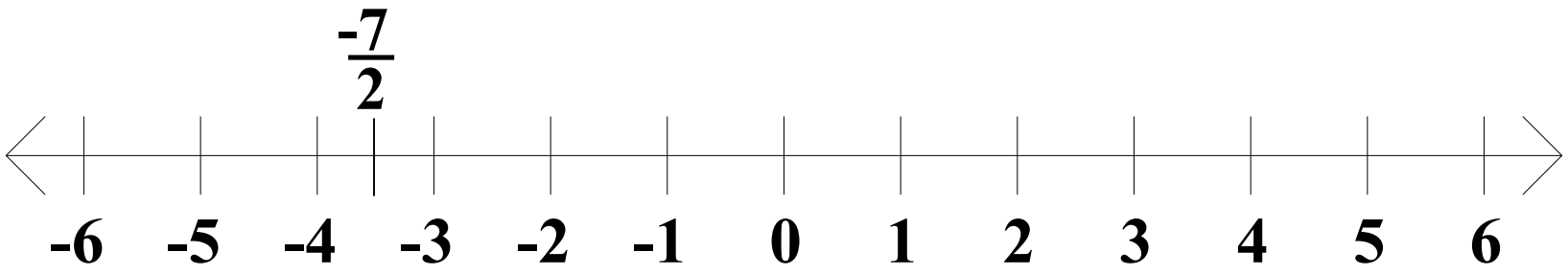

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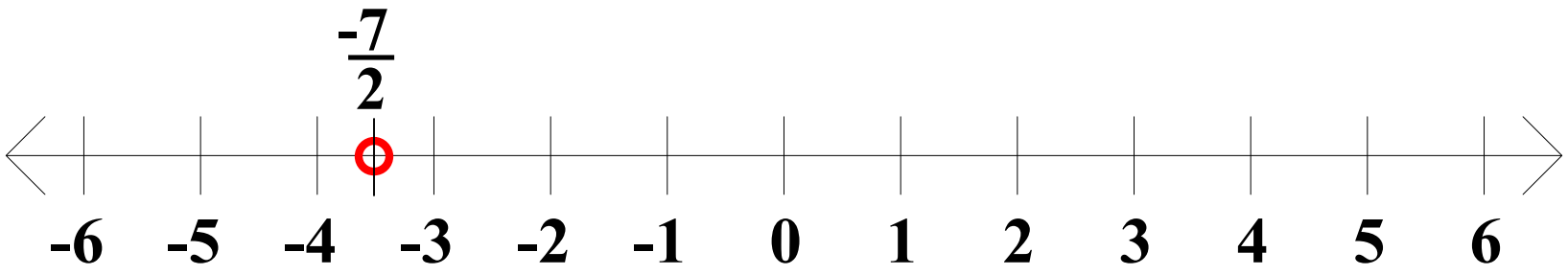

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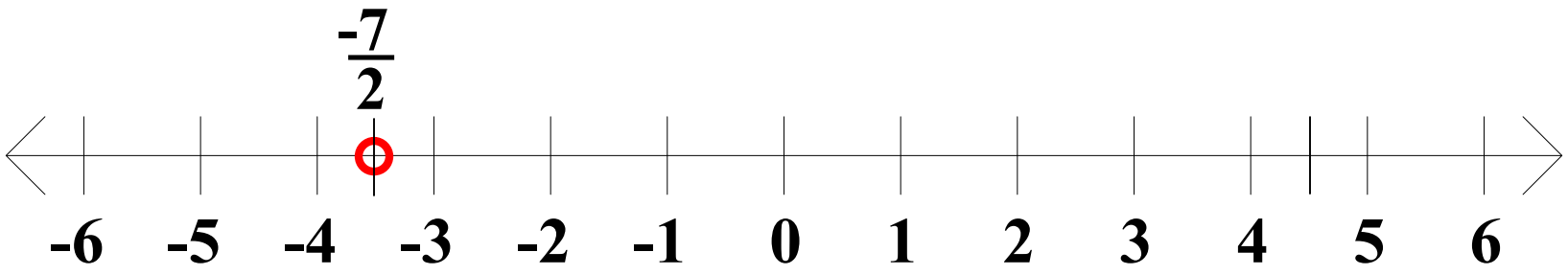

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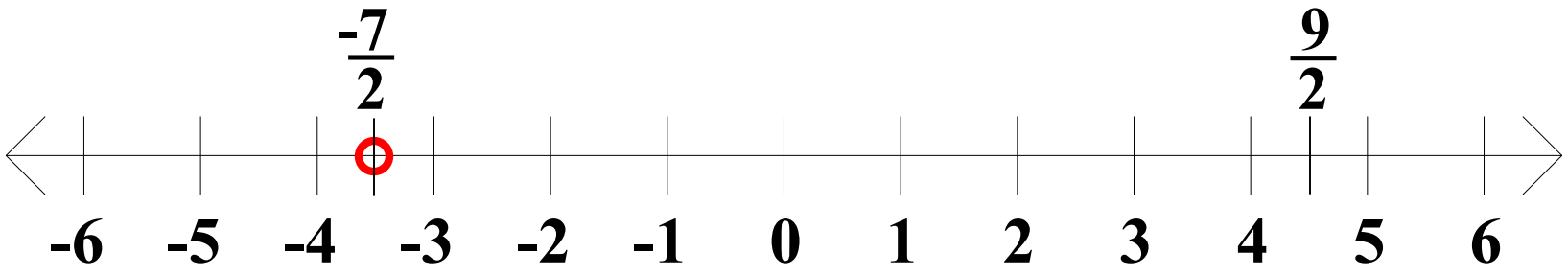

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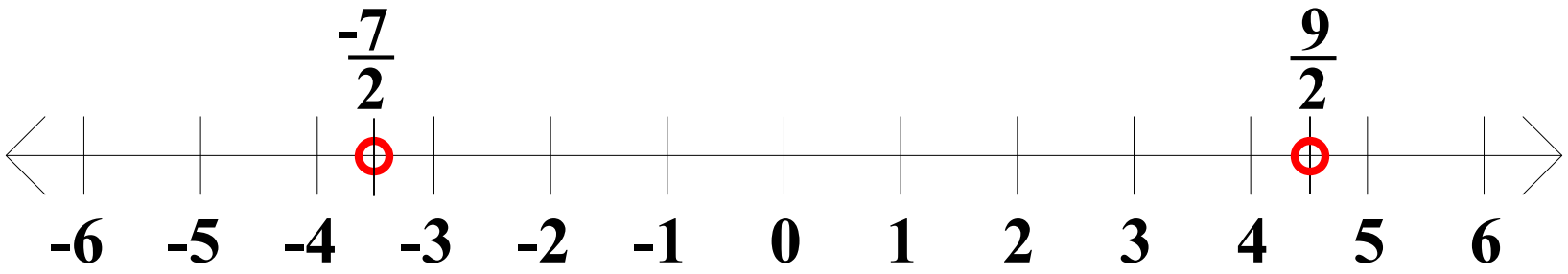

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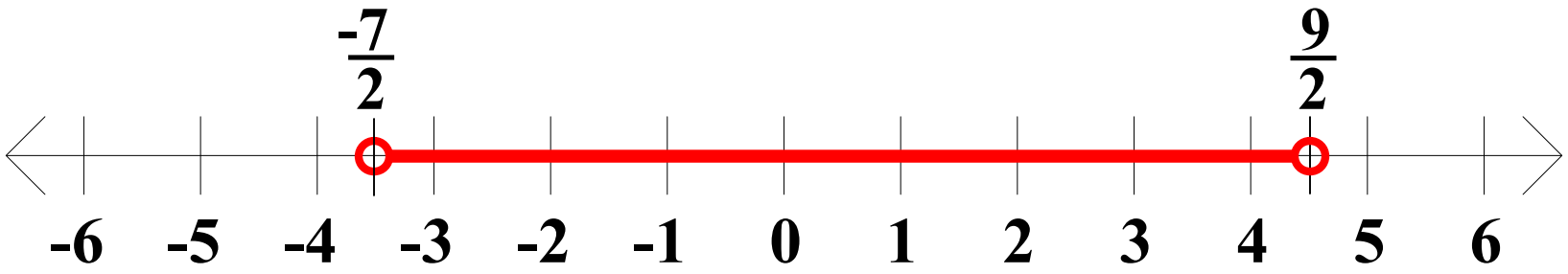

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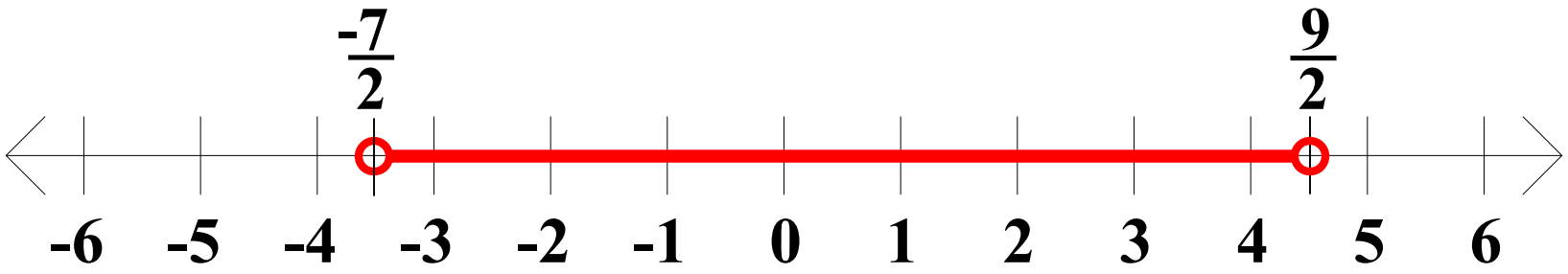
S =



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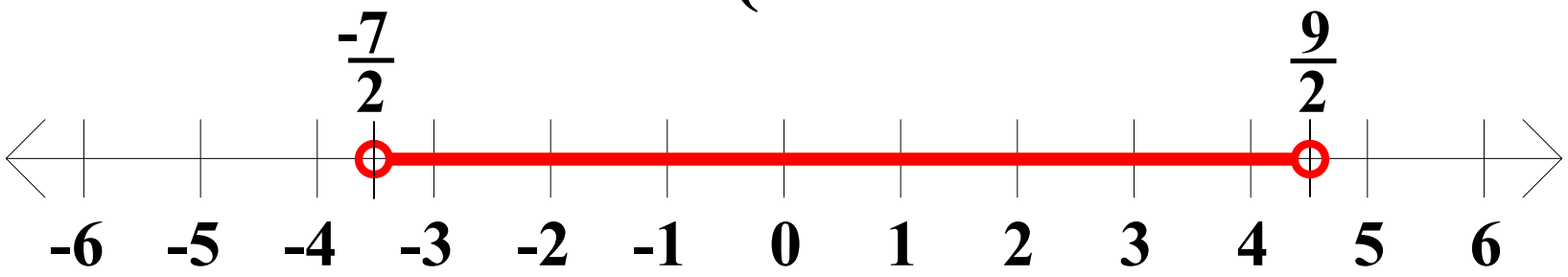

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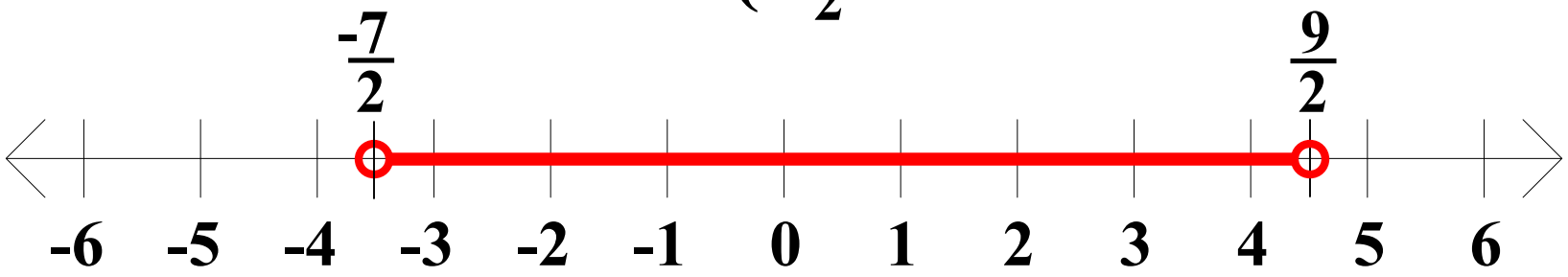

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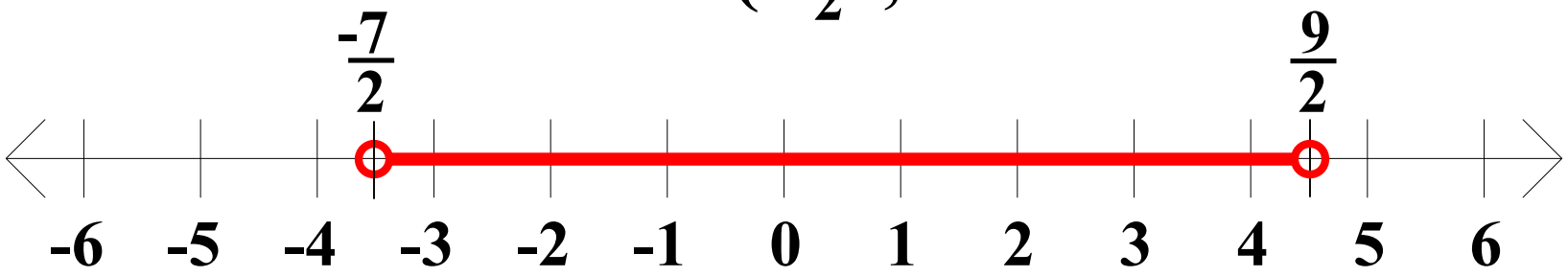

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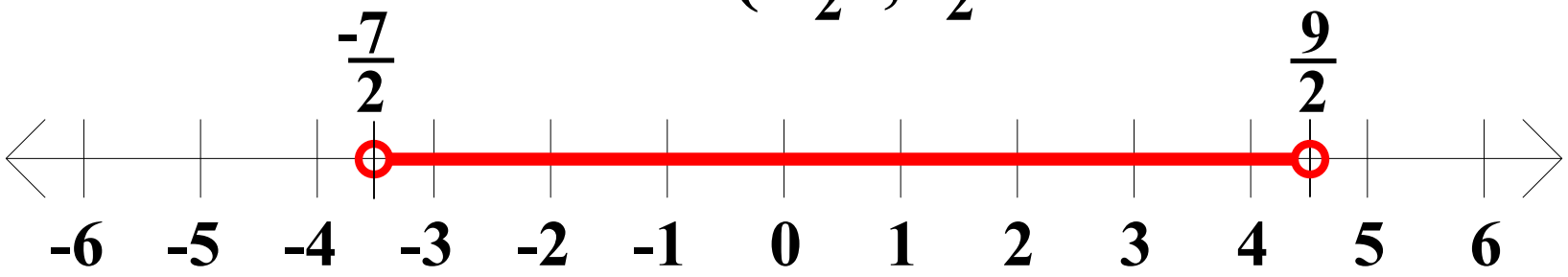

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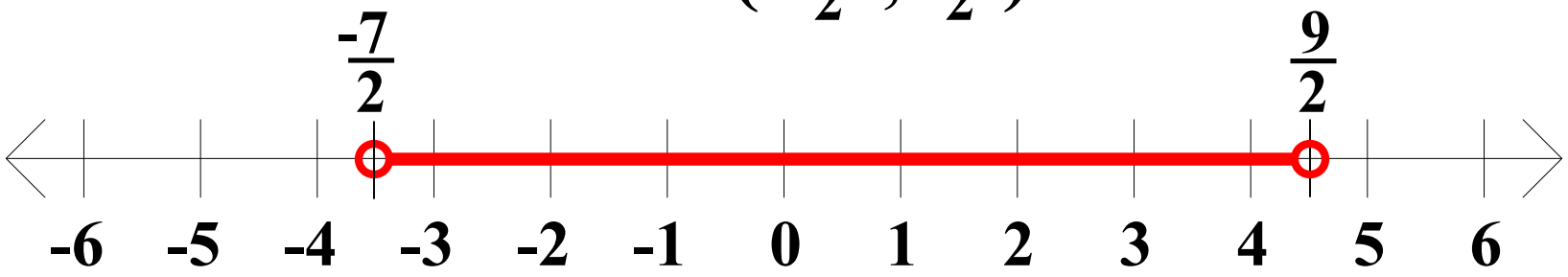

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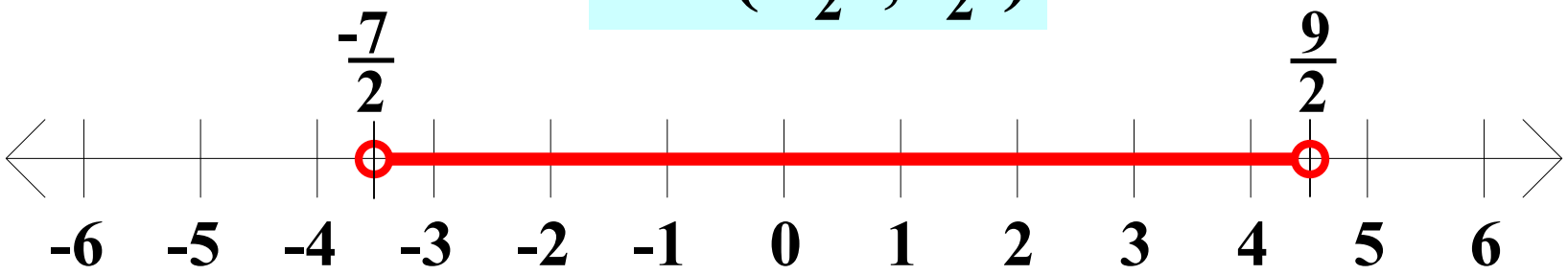

General Algebra II CWS #3 Unit 1

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Compound inequalities are formed when two basic inequalities are 'joined' using the 'connective' and or the 'connective' or.

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Type 1 and :

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Type 1 and :

7.

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7. $3x + 5 < 11$

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7. $3x + 5 < 11$ and $2x + 3 > -3$

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7. $3x + 5 < 11$ and $2x + 3 > -3$
8. $-2x - 3 \geq 5$

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7. $3x + 5 < 11$ and $2x + 3 > -3$
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9. $x - 1 > 3$ and $-2x - 5 > 1$

Type 2 or :

10. $2x + 7 \geq 1$ or $3x - 2 \geq 10$
11. $-5x + 11 < 1$ or $x + 5 < 1$
12. $3x + 4 \geq 1$

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Type 2 or :

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11. $-5x + 11 < 1$ or $x + 5 < 1$
12. $3x + 4 \geq 1$ or

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Type 2 or :

10. $2x + 7 \geq 1$ or $3x - 2 \geq 10$
11. $-5x + 11 < 1$ or $x + 5 < 1$
12. $3x + 4 \geq 1$ or $-4x + 10 > 2$

Algebra II Class Worksheet #3 Unit 4

Solving Compound Inequalities - Type 1 and

Algebra II Class Worksheet #3 Unit 4

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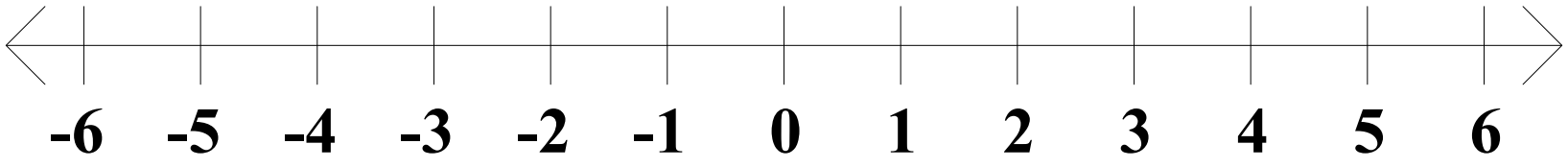

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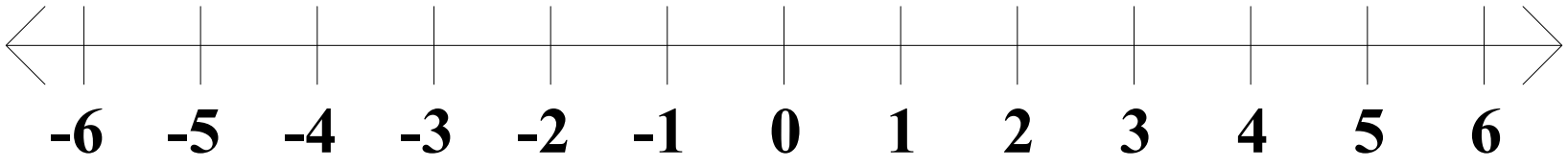

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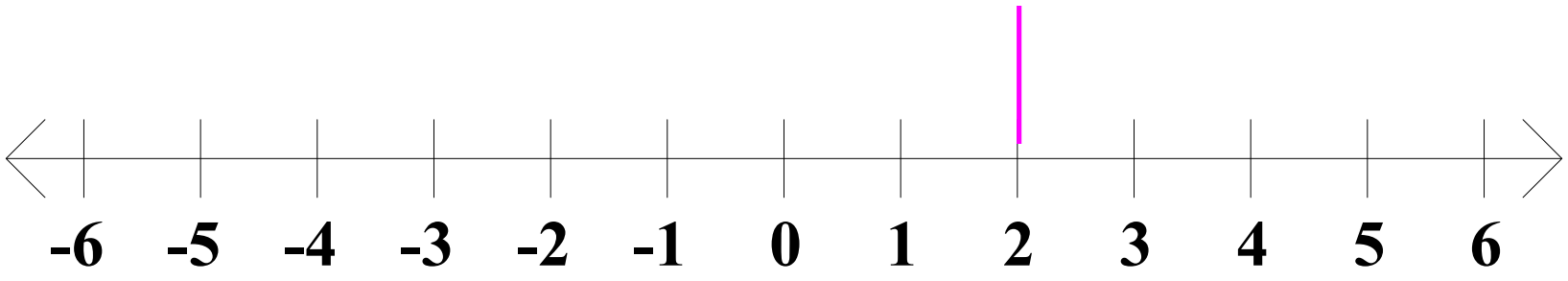

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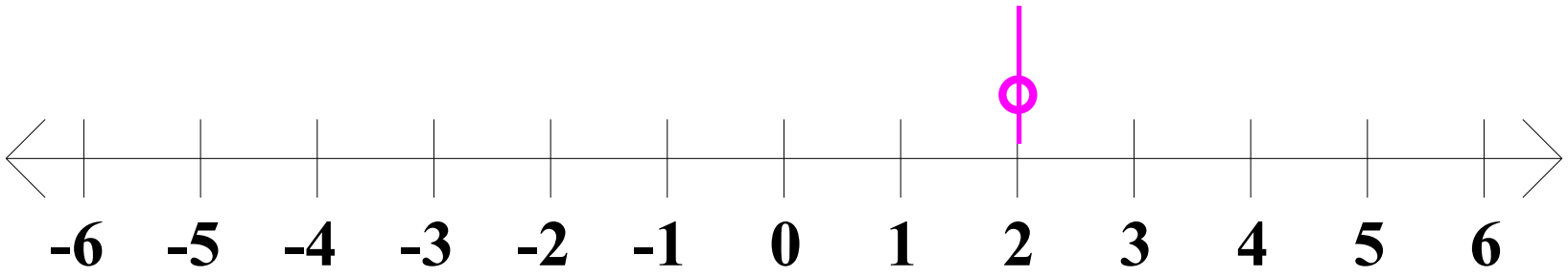

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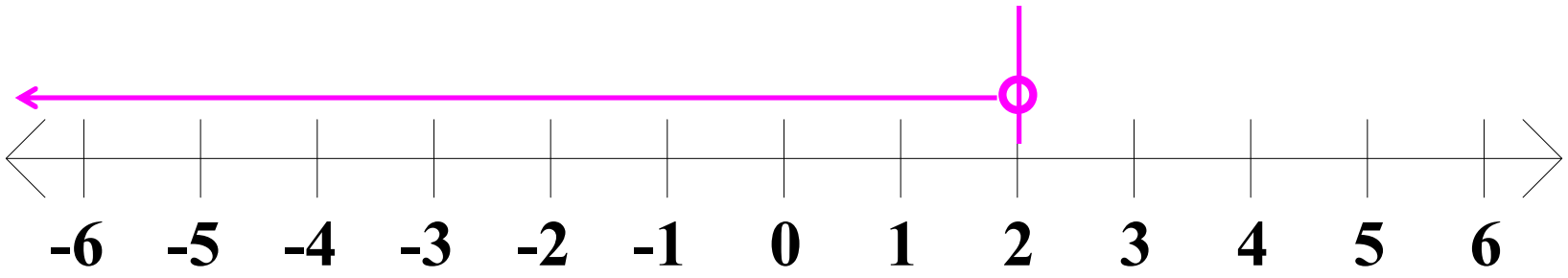

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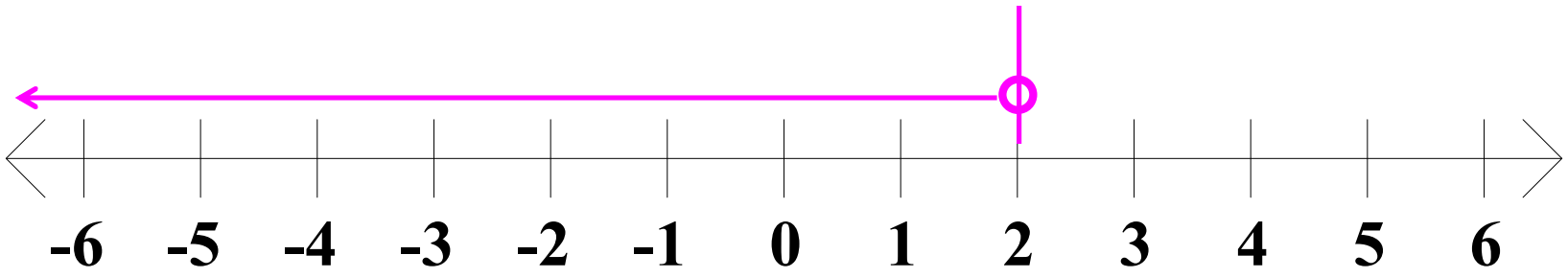

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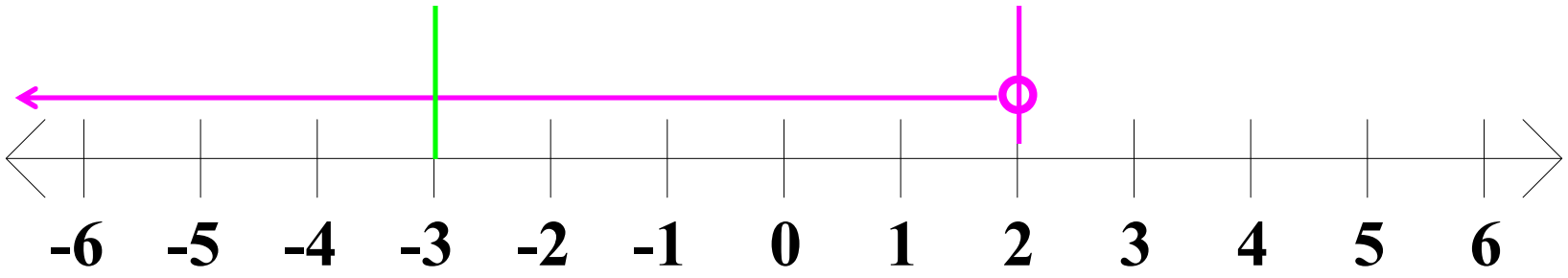

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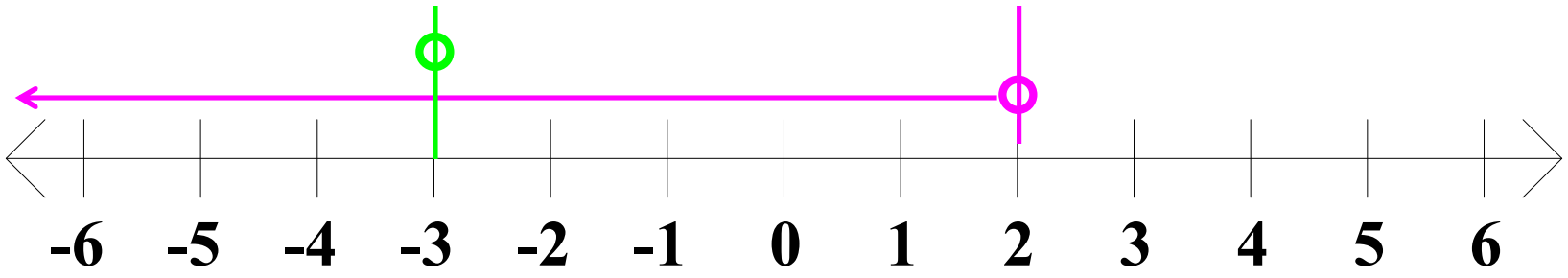

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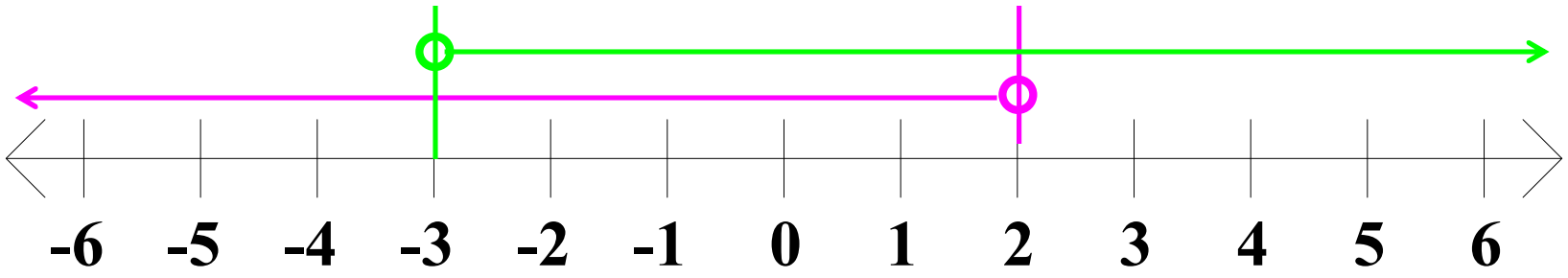

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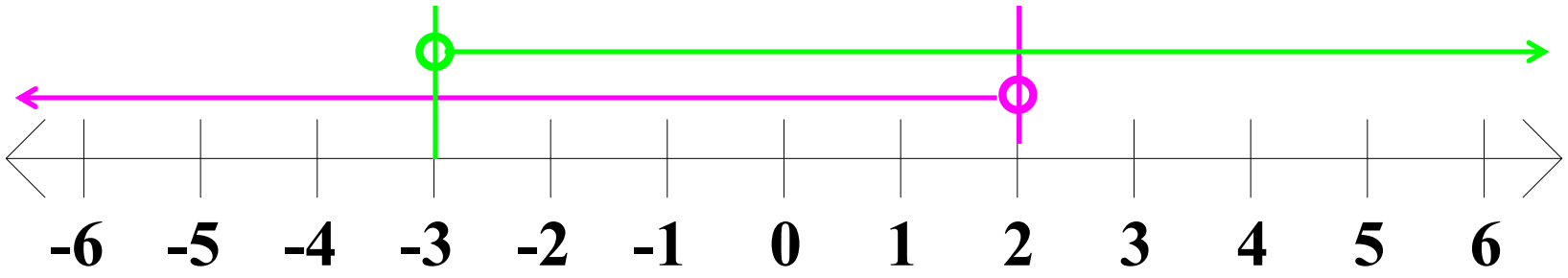

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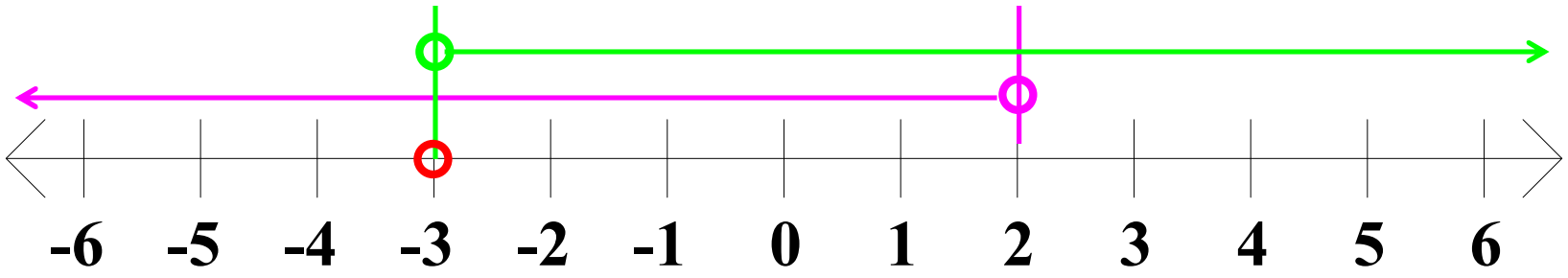

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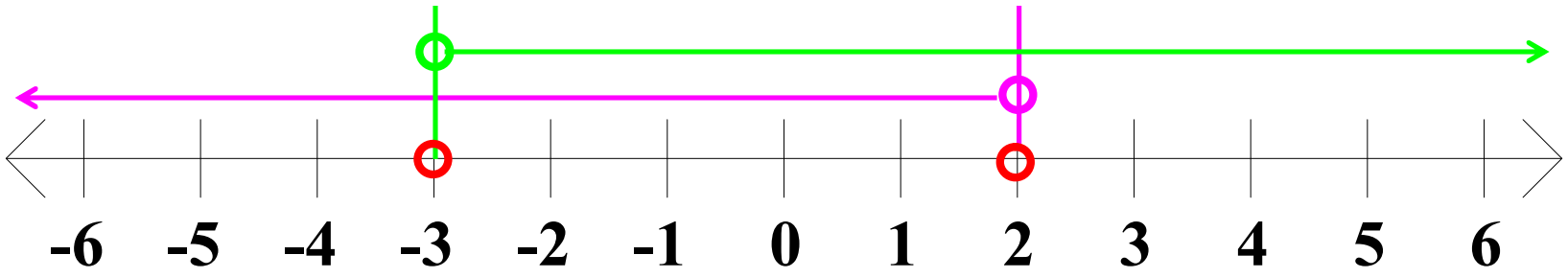

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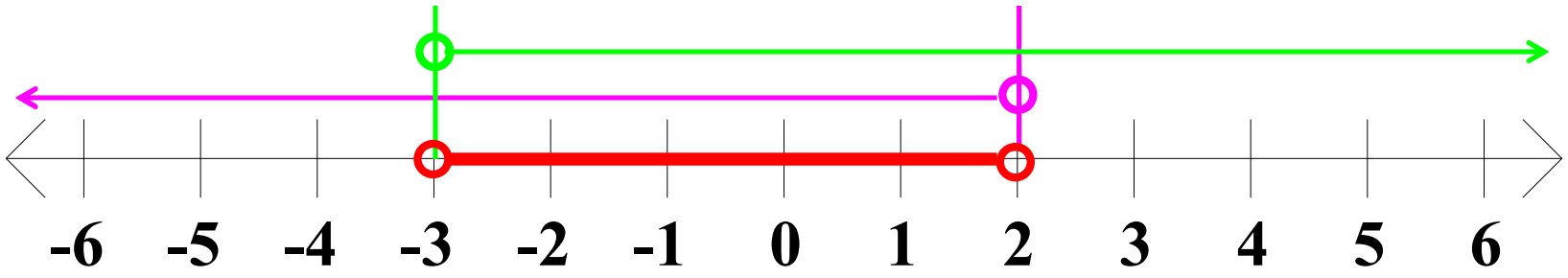

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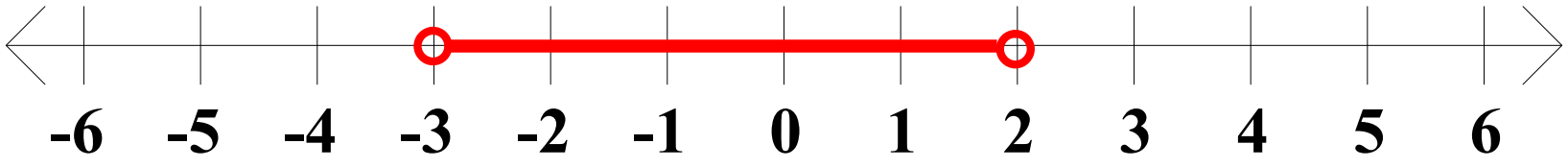

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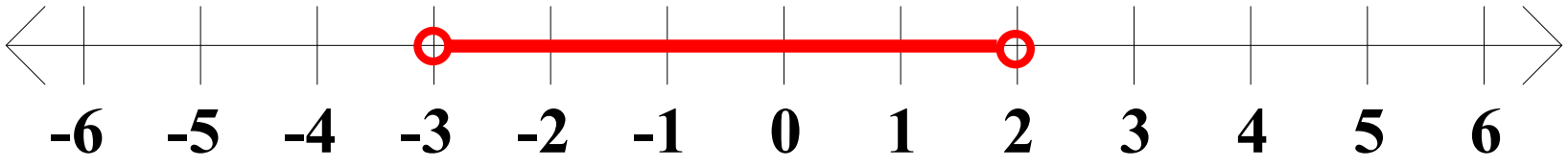

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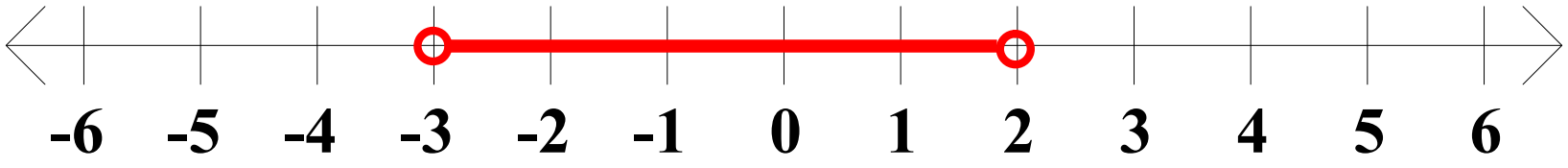

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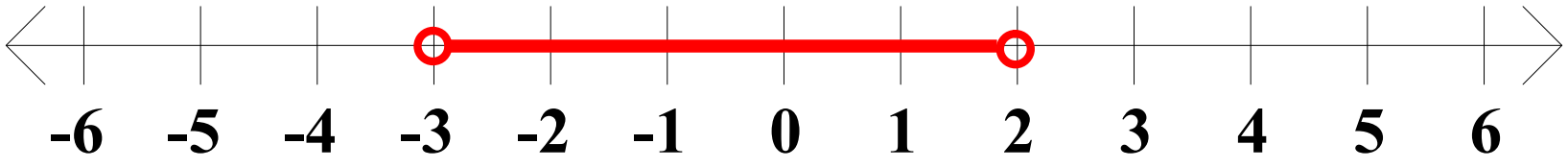

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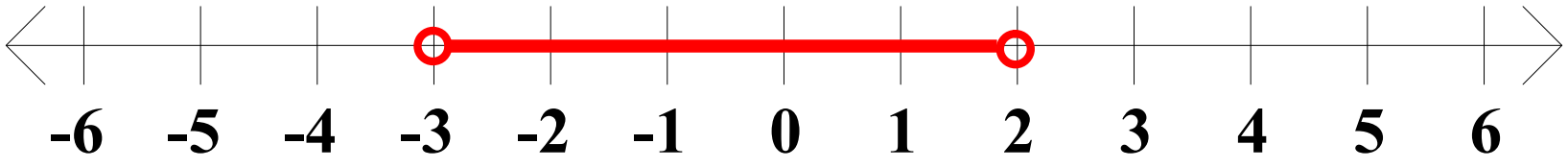

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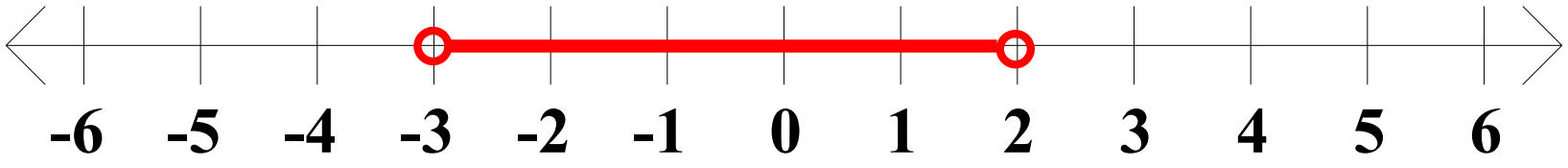

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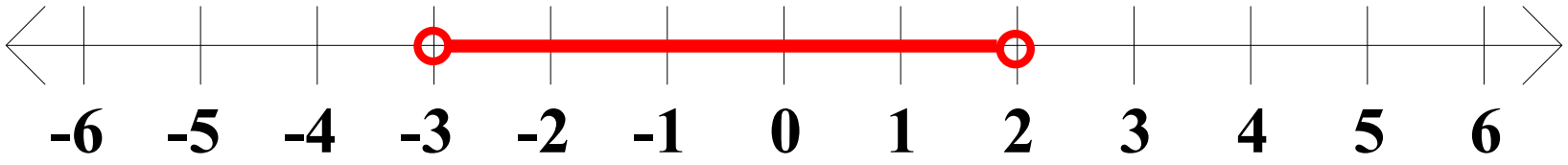

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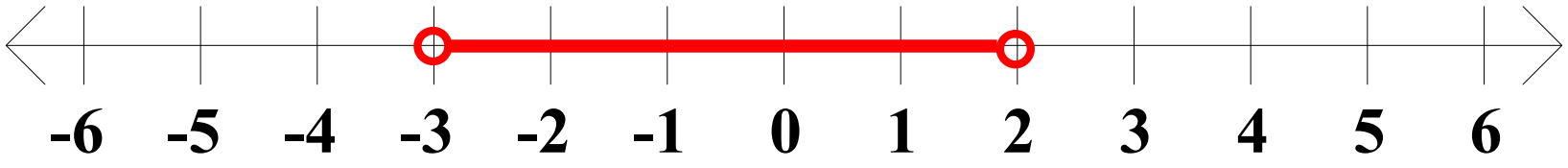

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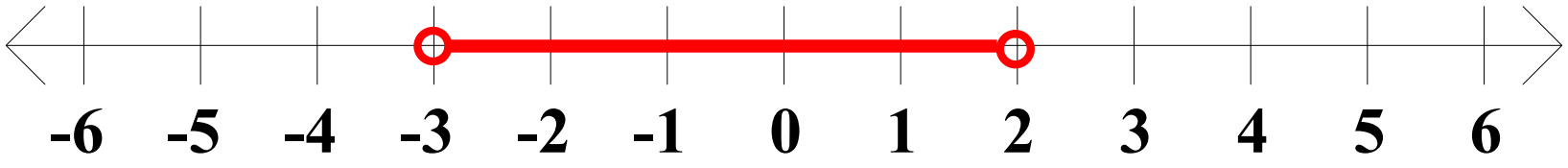

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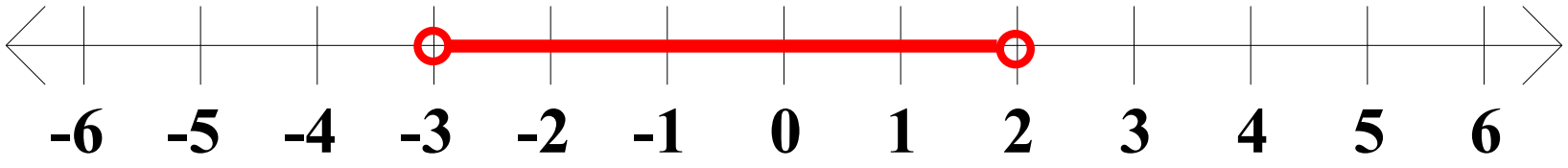

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$x < 2$ **and** $x > -3$

$-3 < x < 2$

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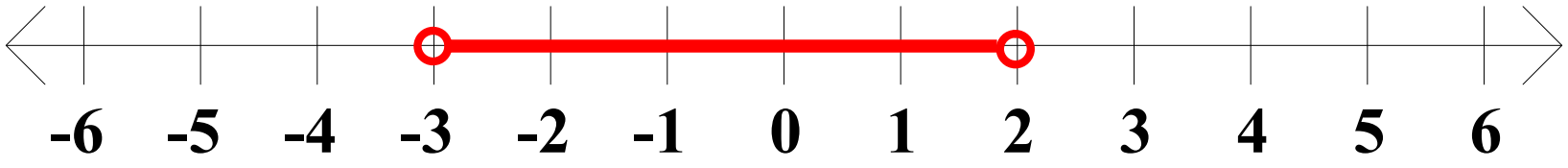

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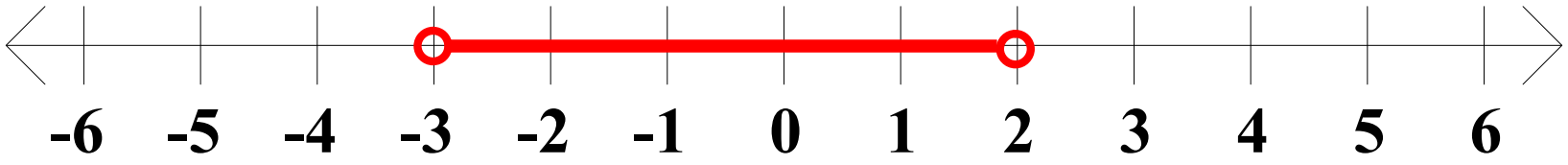

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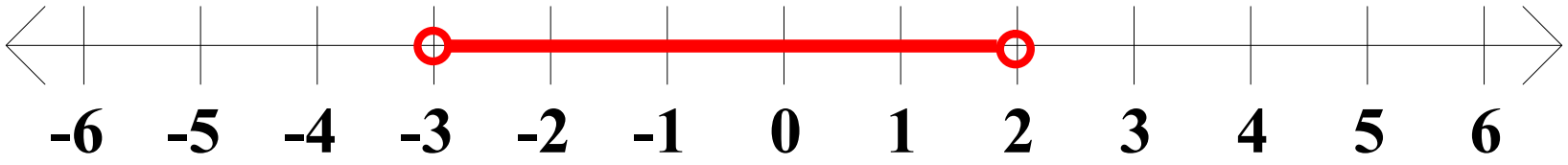

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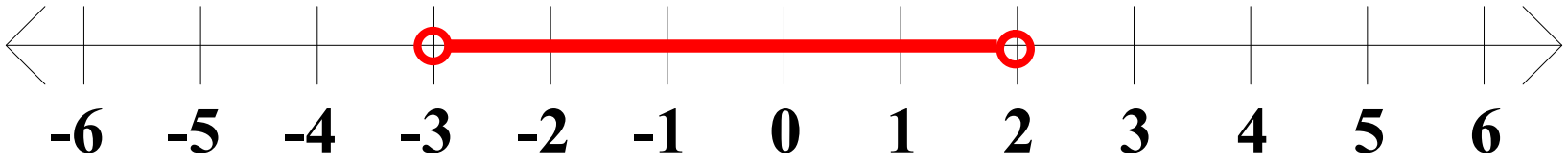

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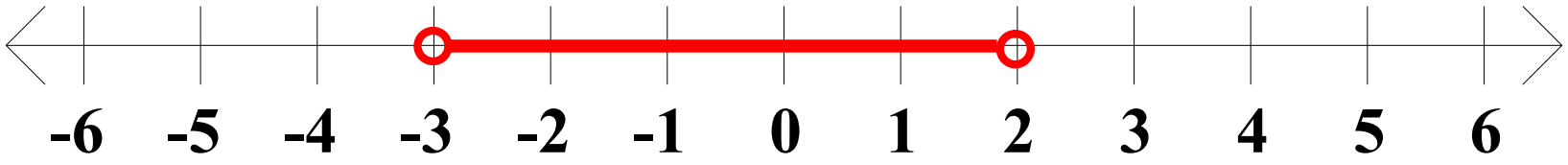

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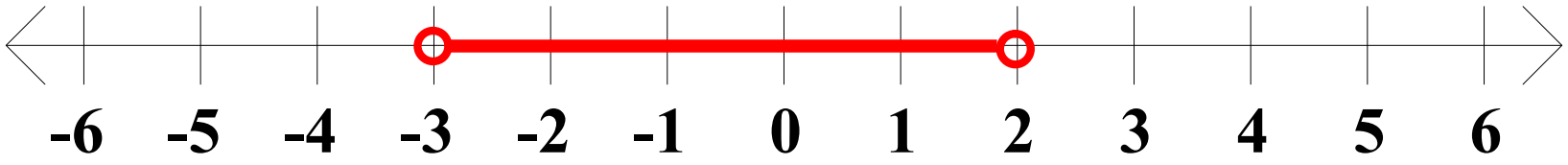

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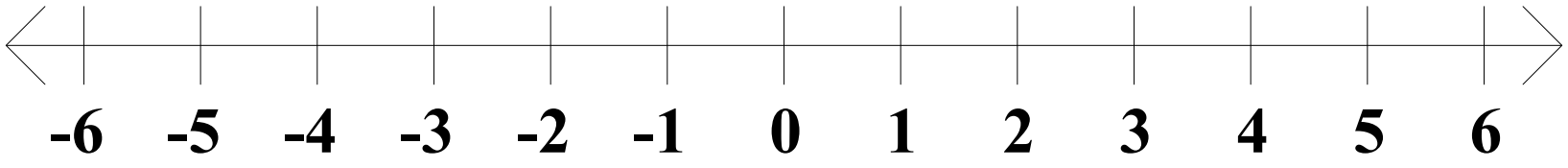

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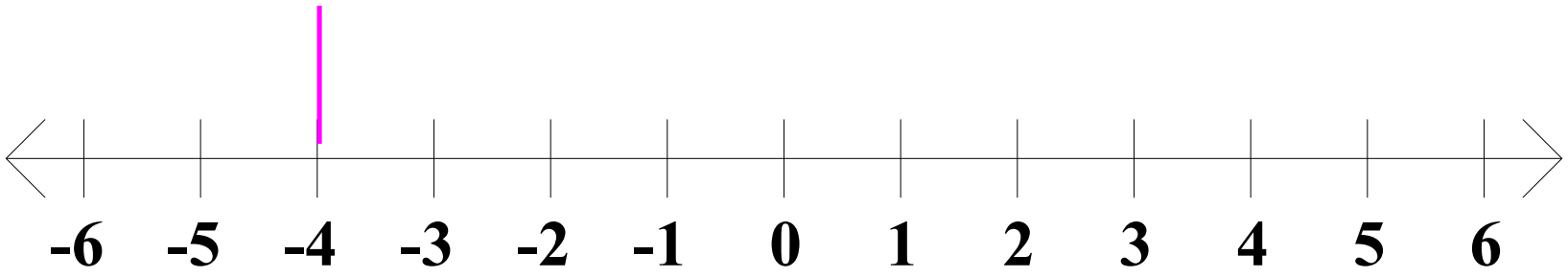

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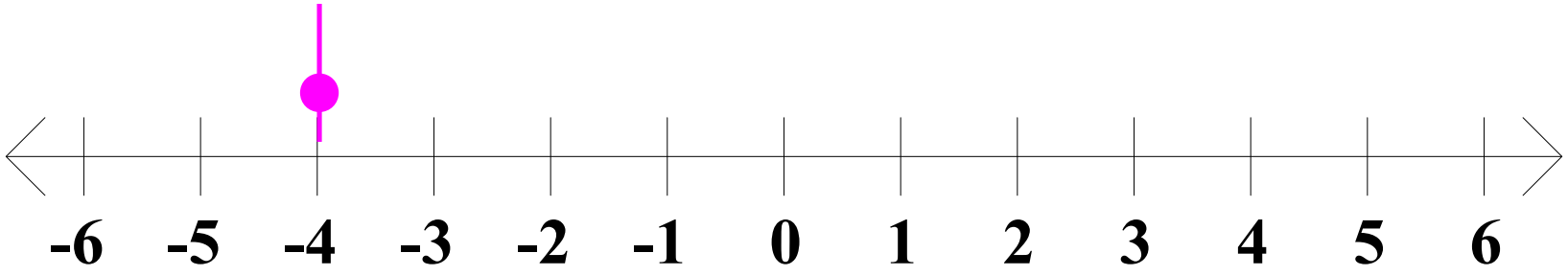

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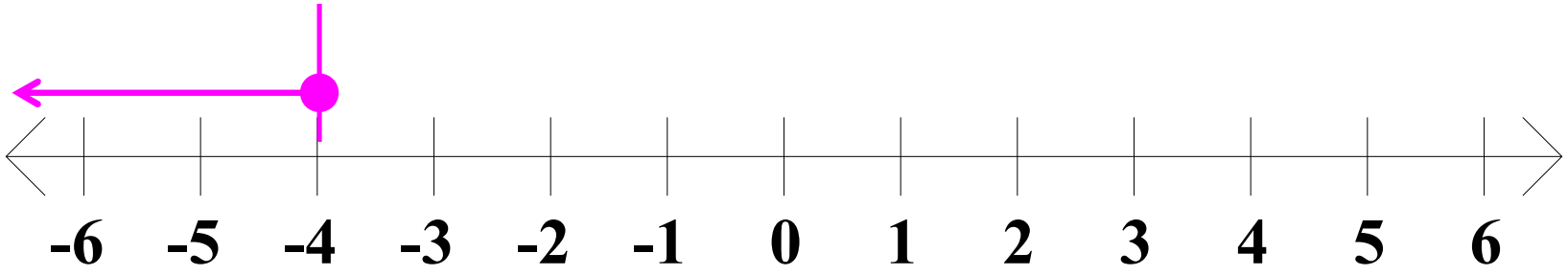

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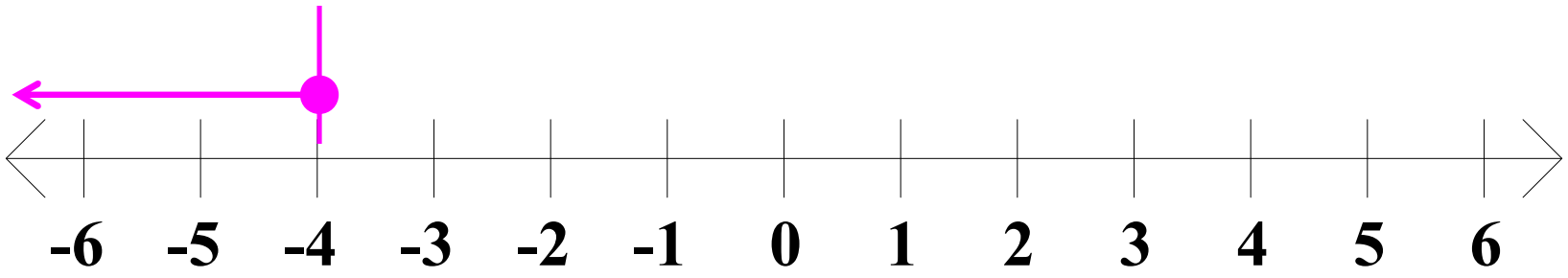

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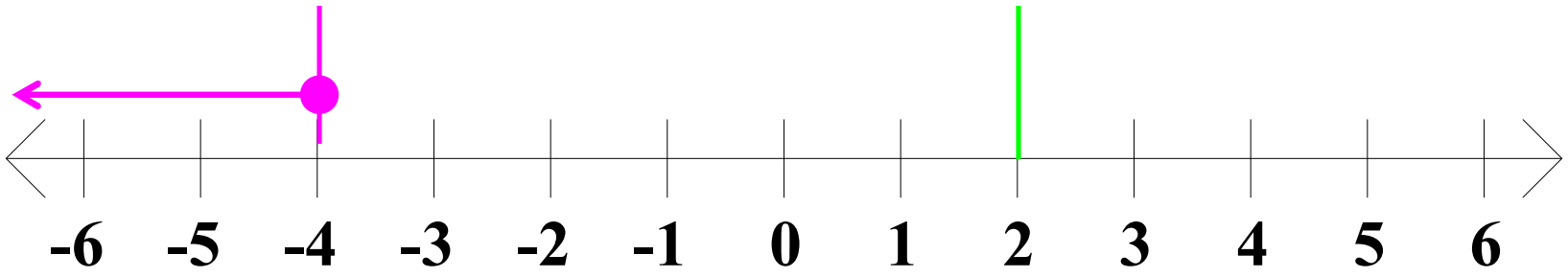

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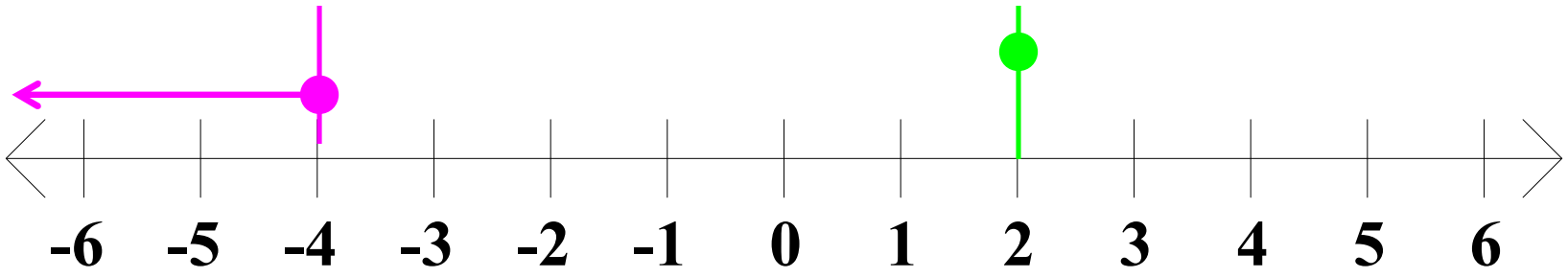

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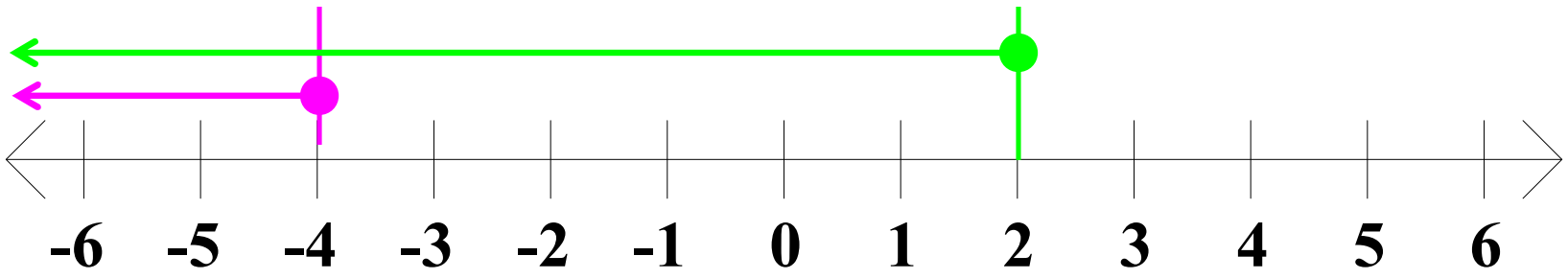

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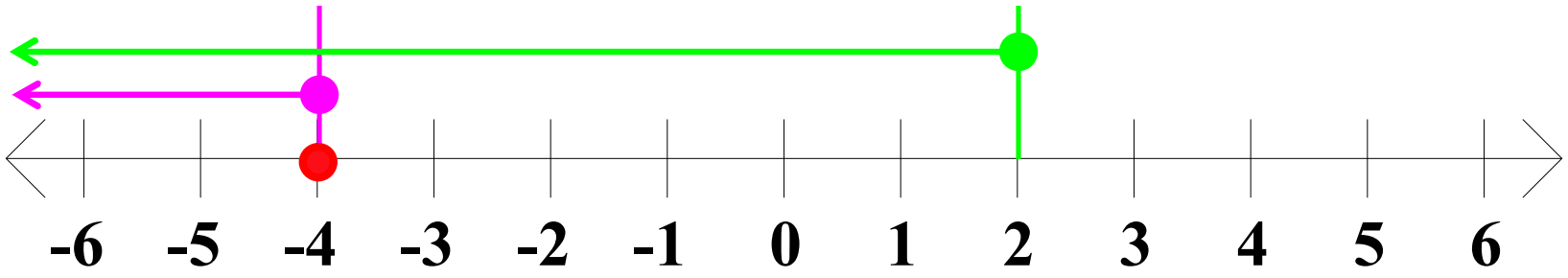

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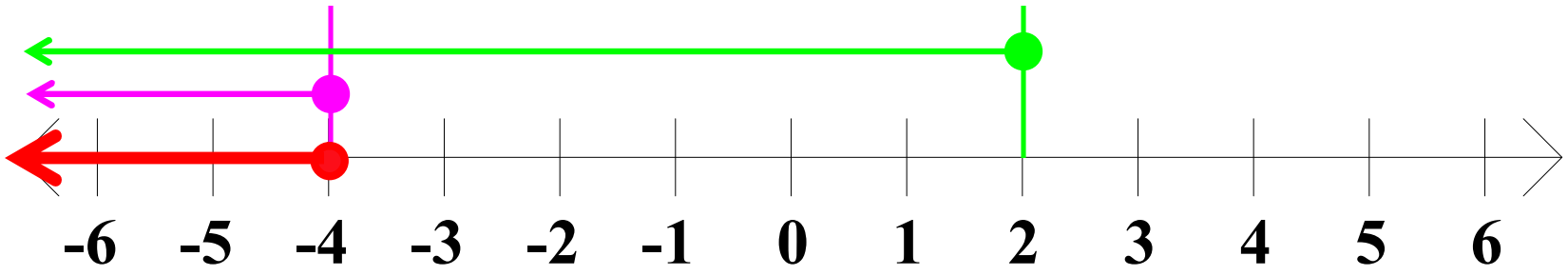

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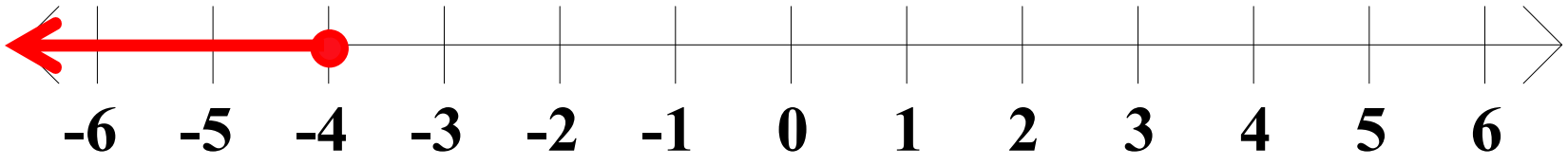

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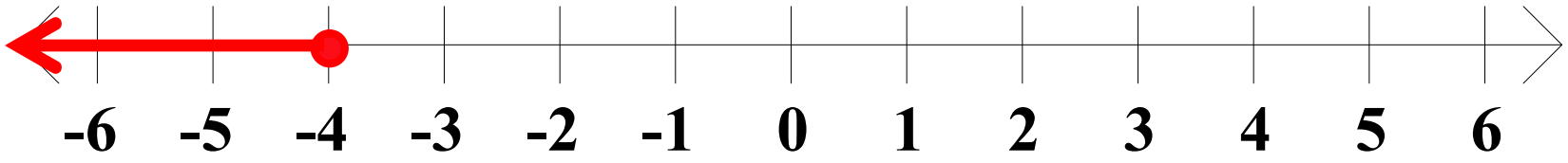

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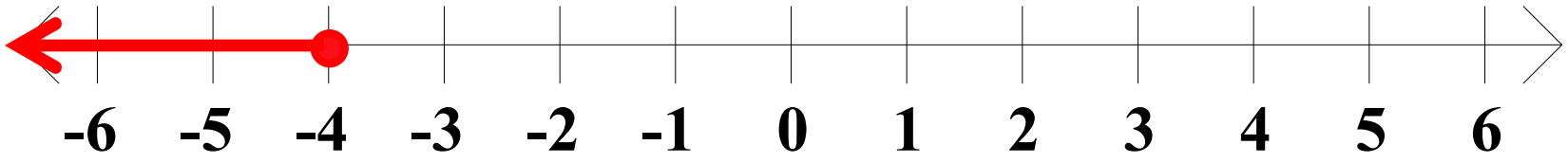

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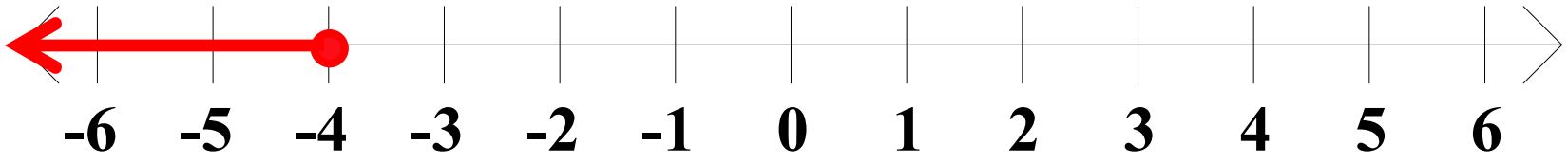

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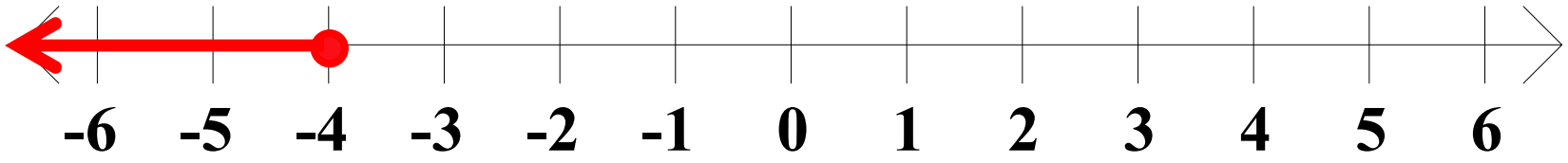

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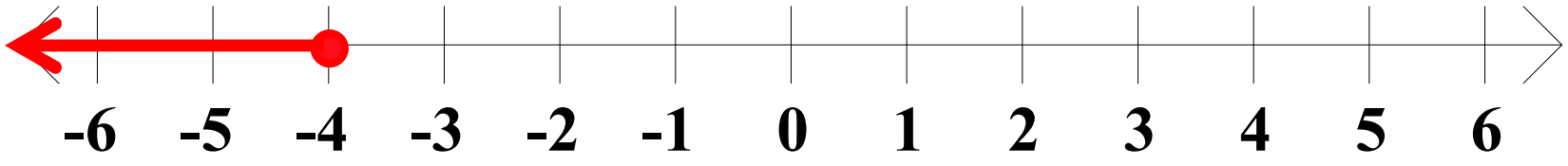

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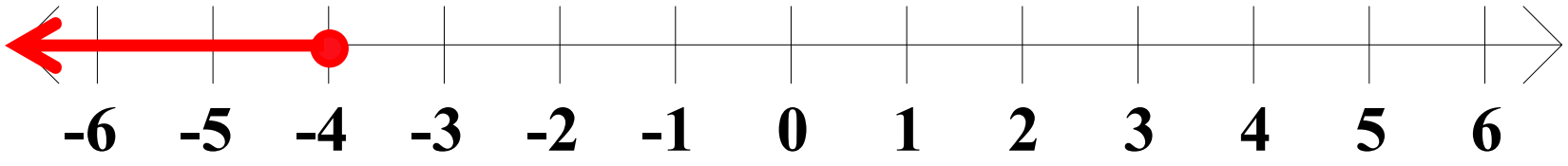

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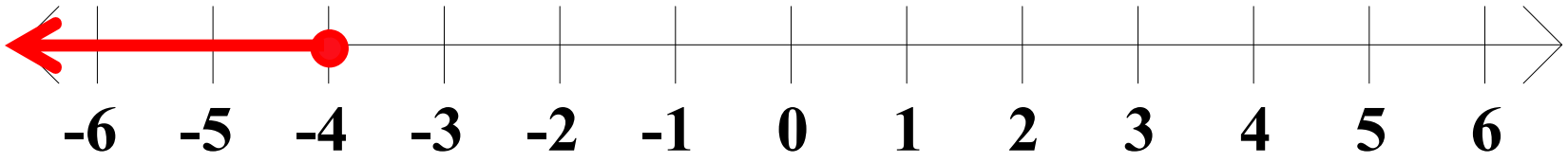

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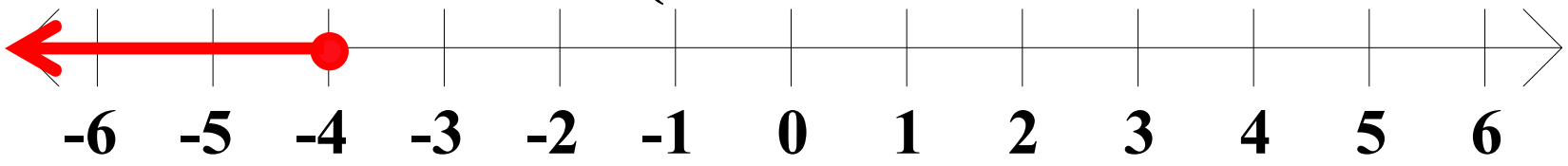

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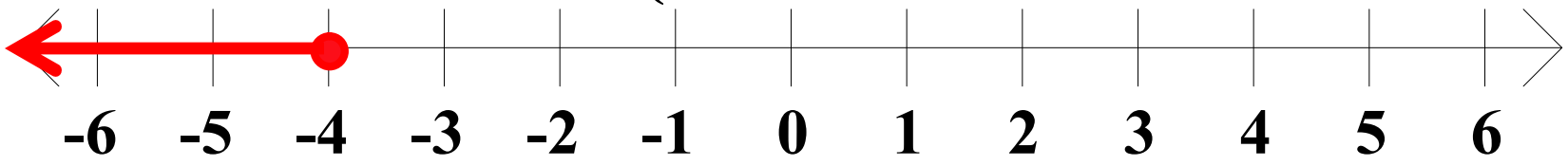

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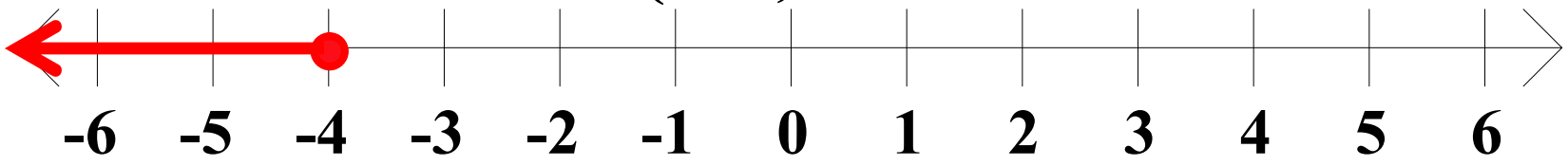

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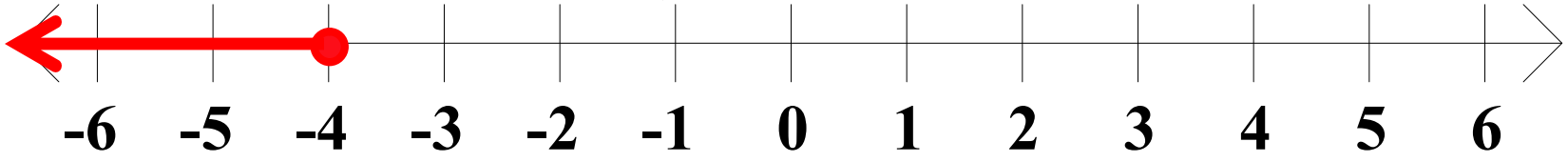

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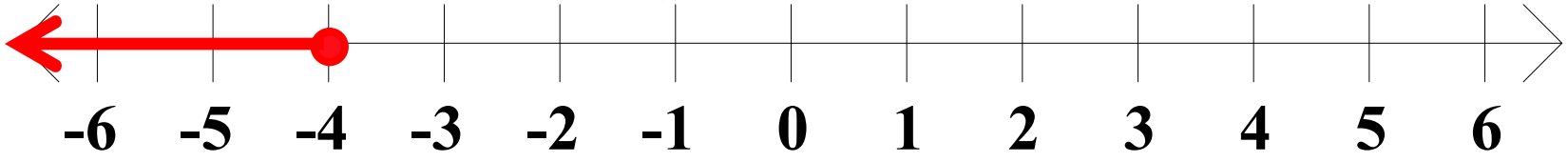

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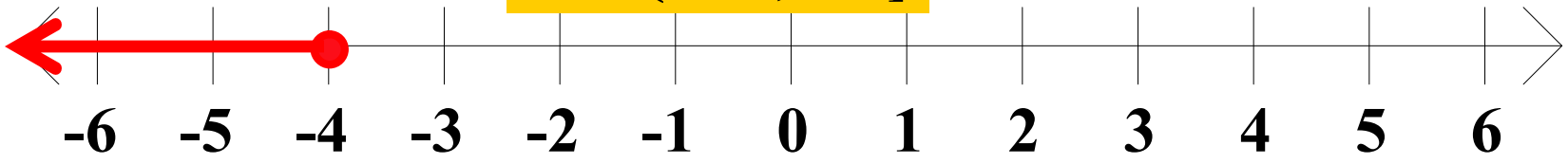

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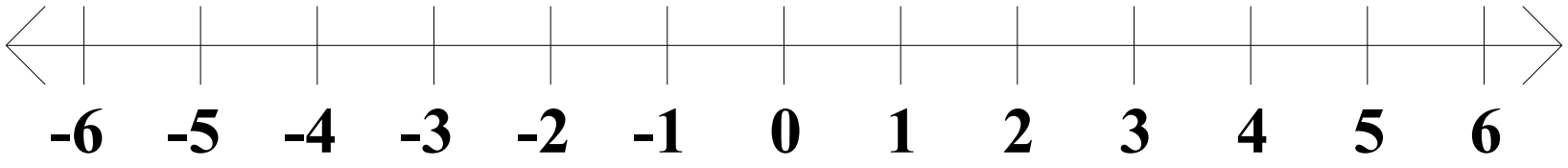

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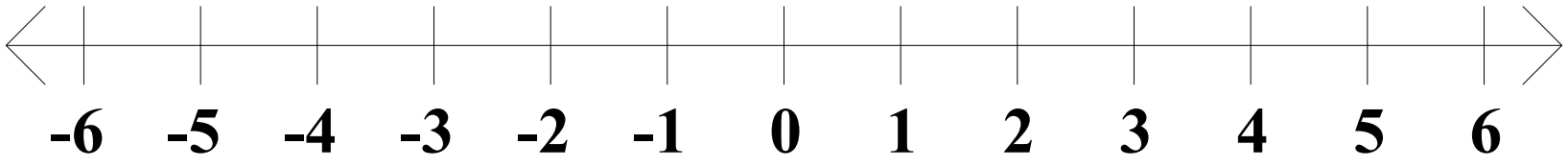

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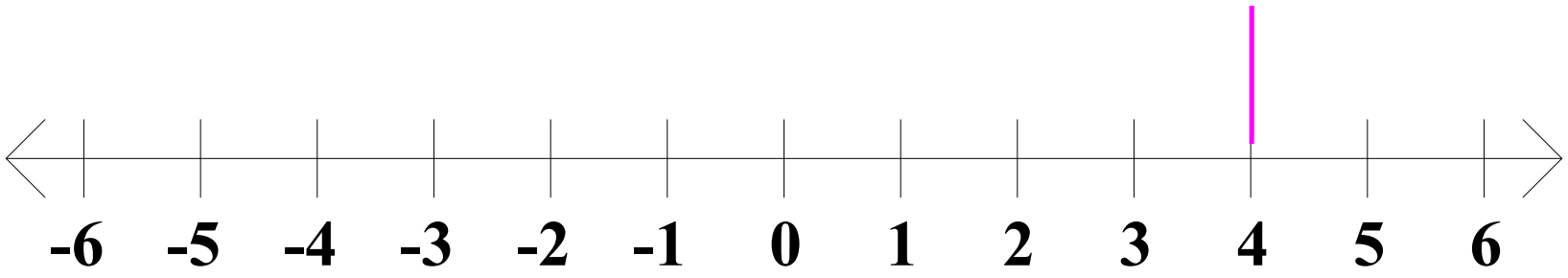

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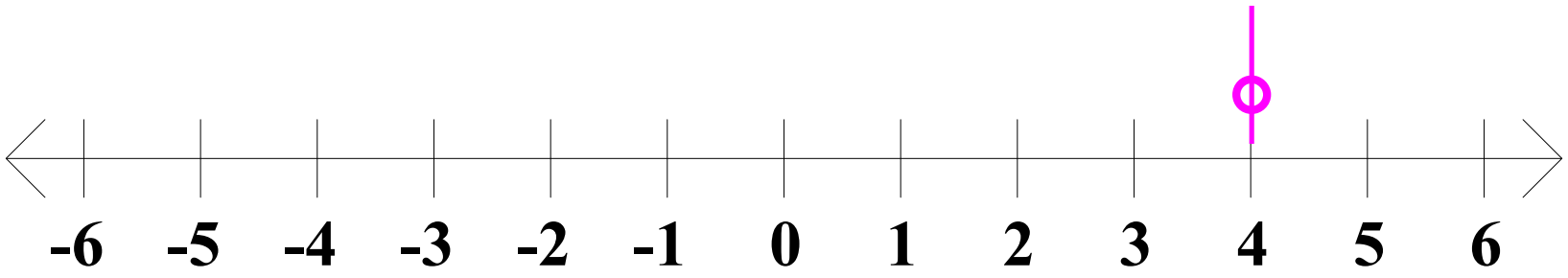

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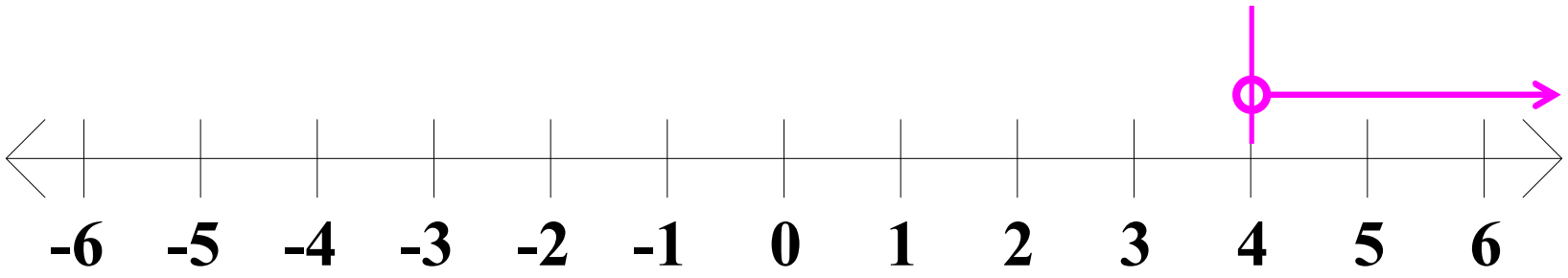

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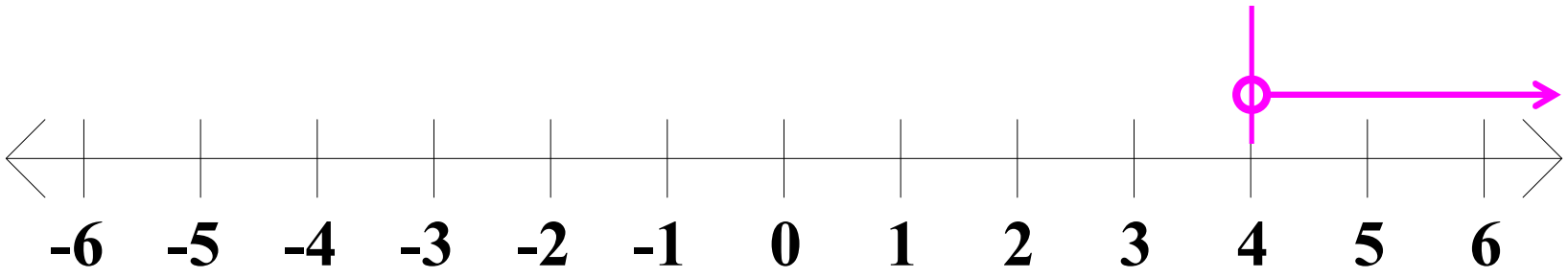

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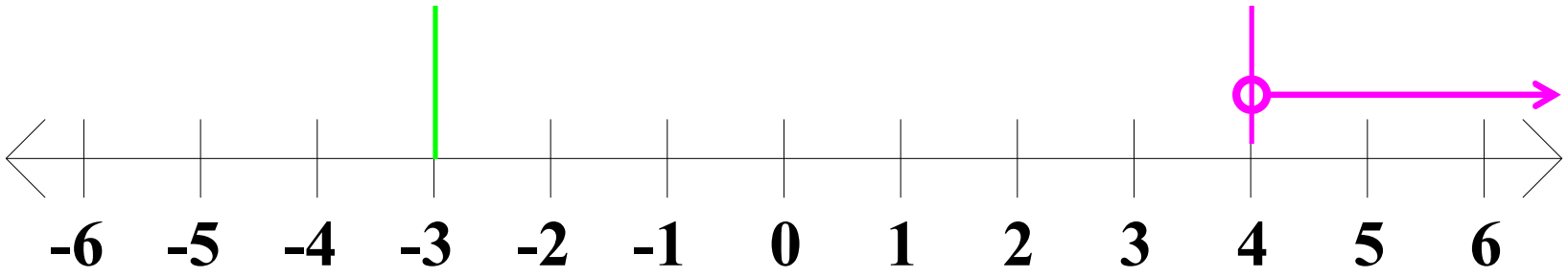

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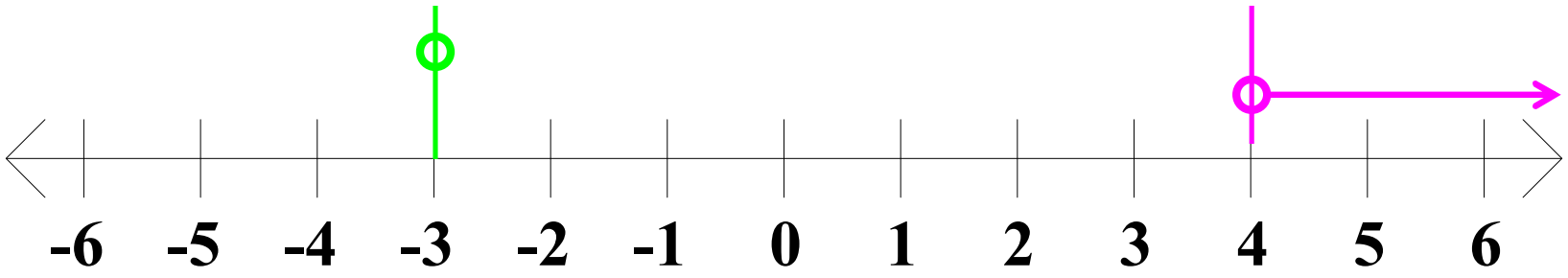

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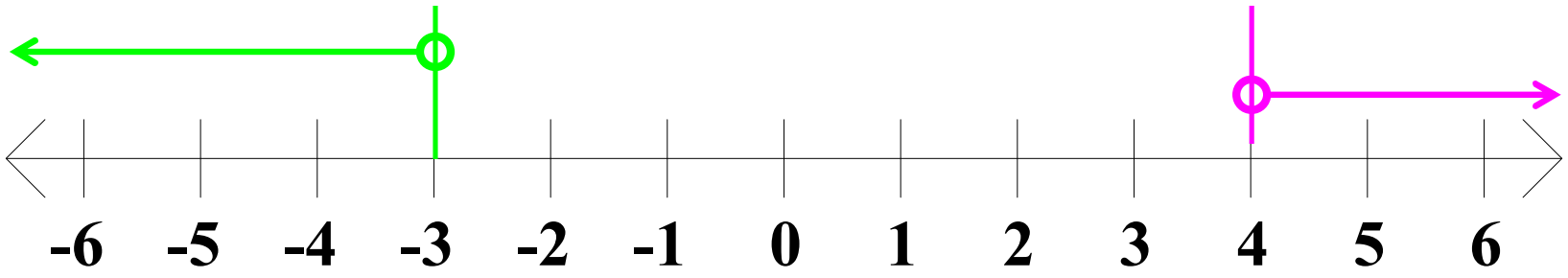

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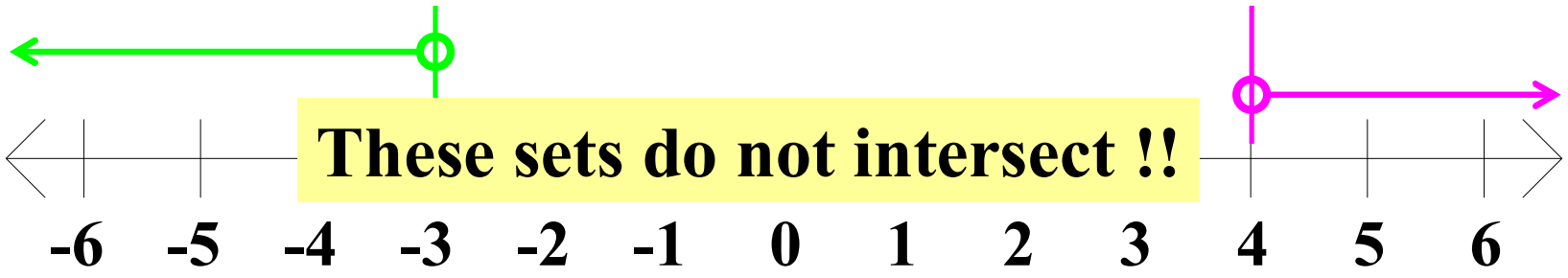

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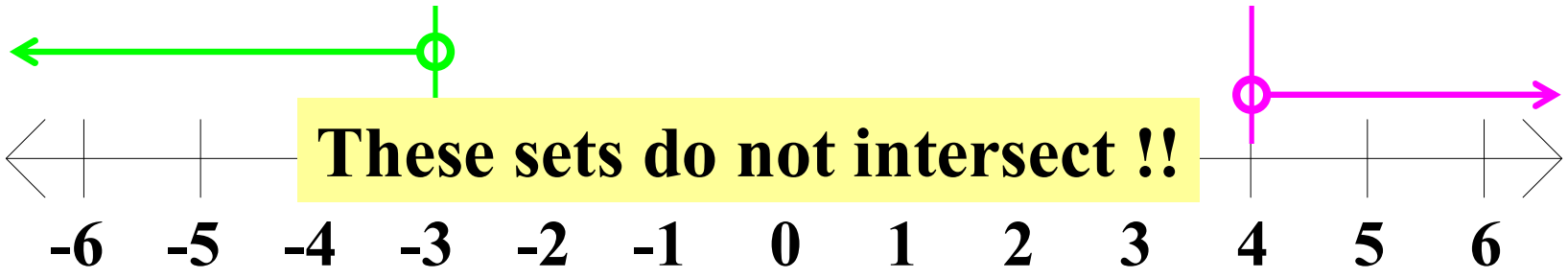

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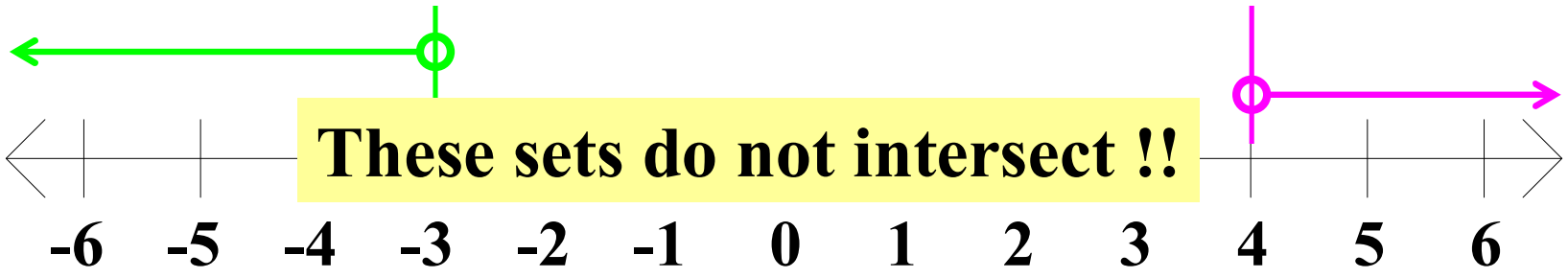

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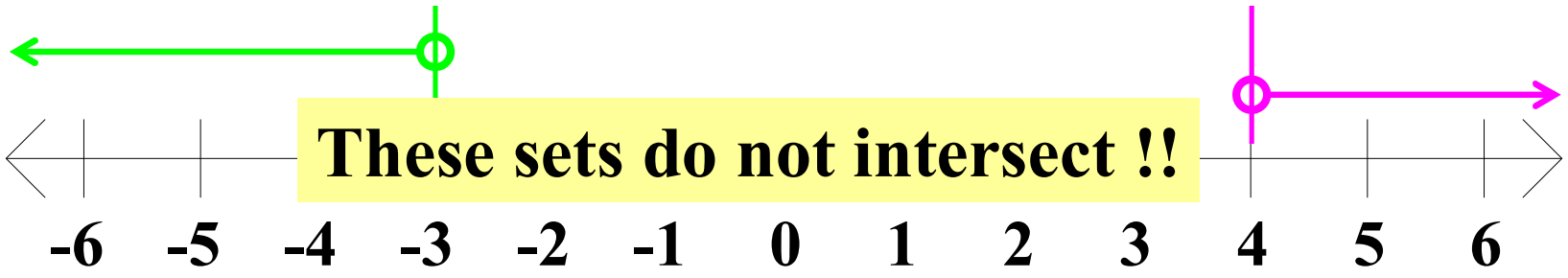

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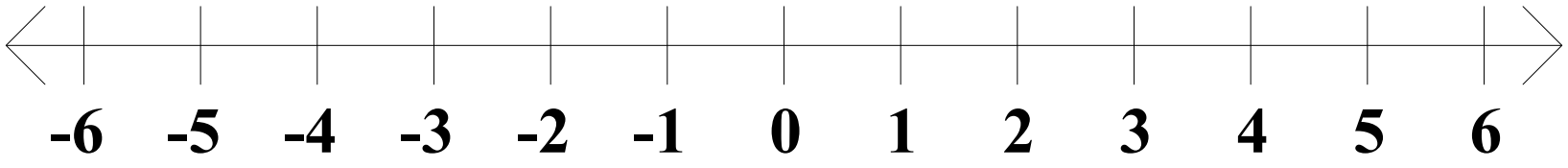

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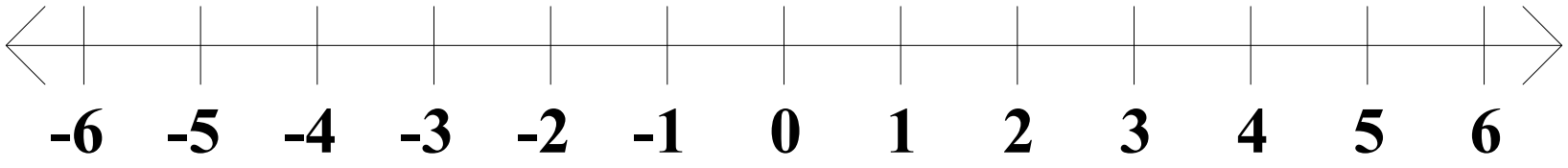

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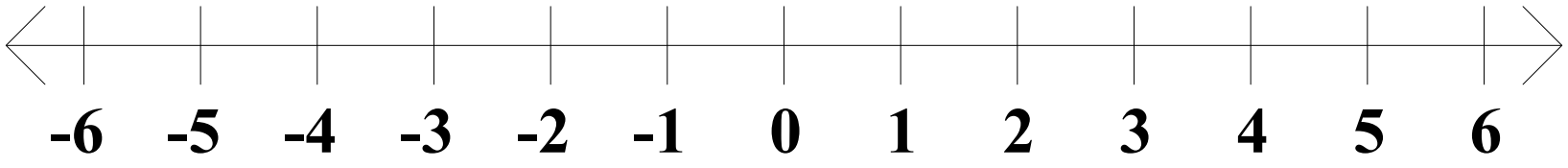

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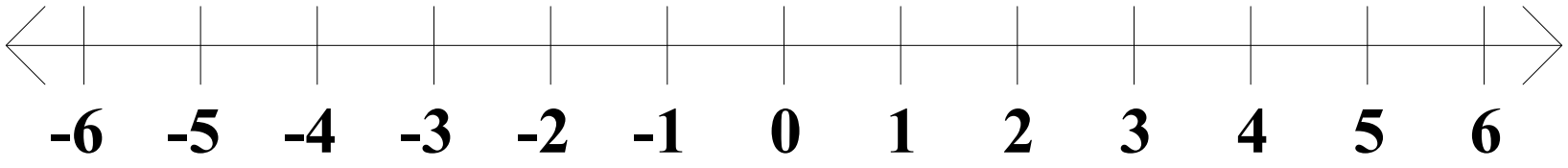

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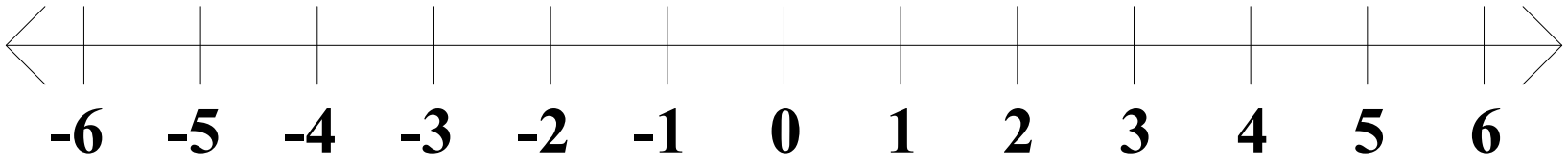

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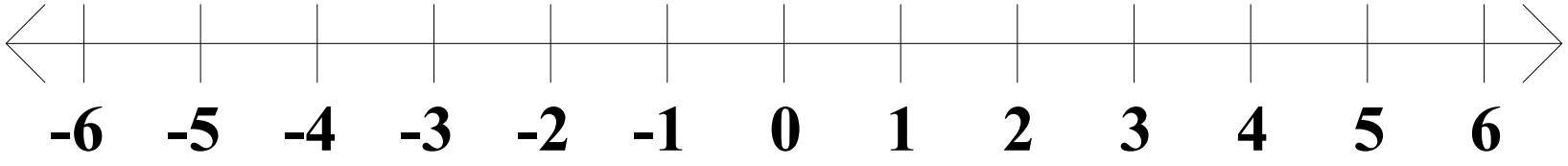

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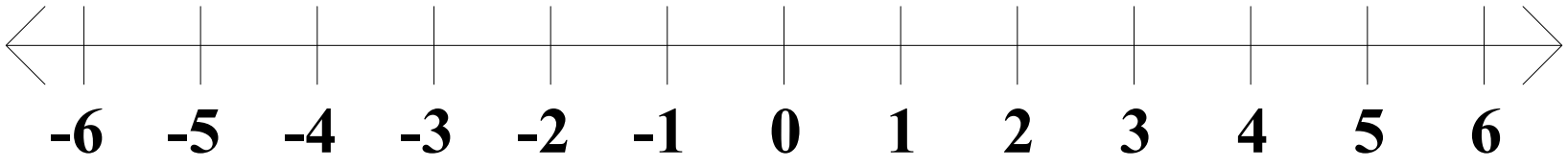

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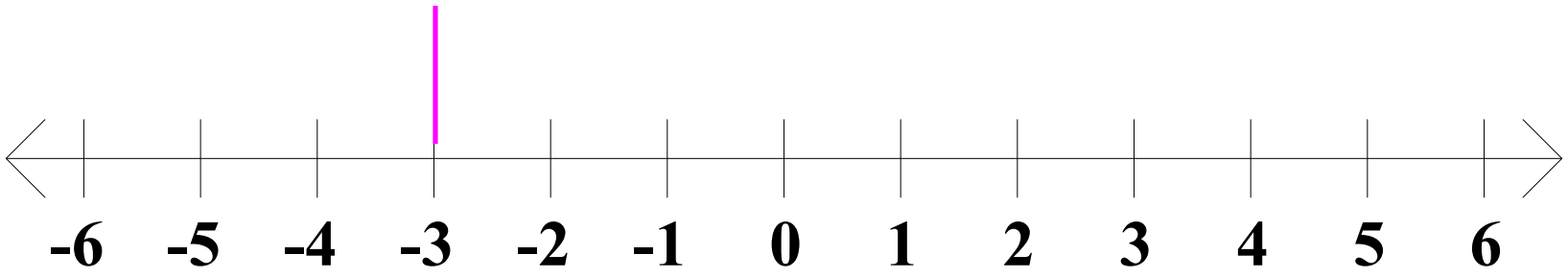

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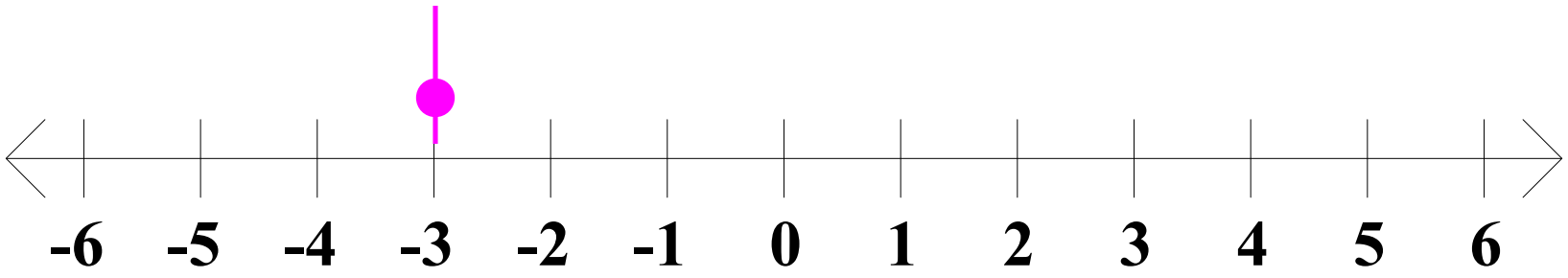

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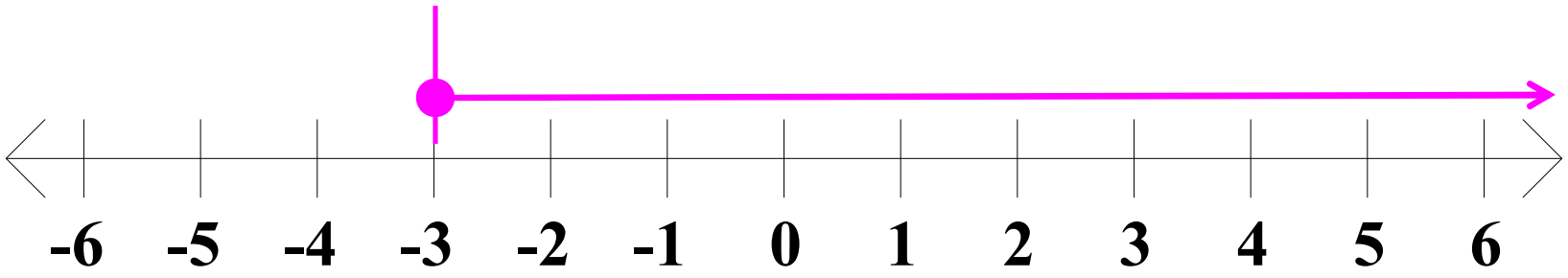

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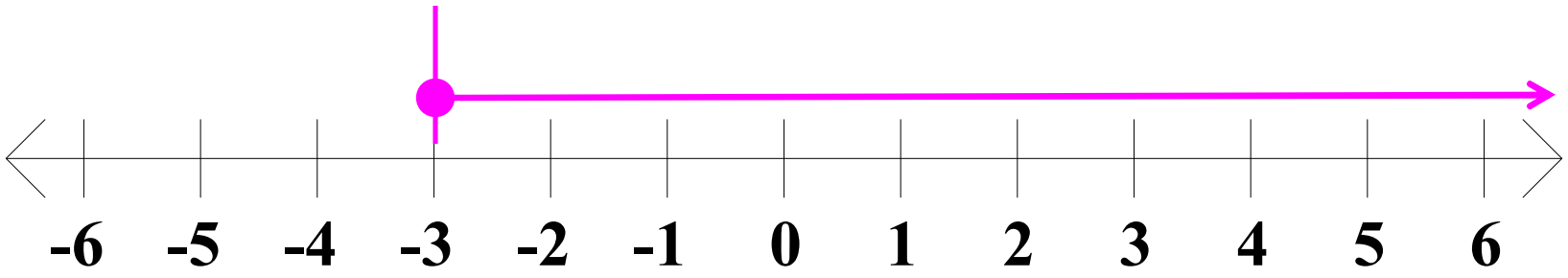

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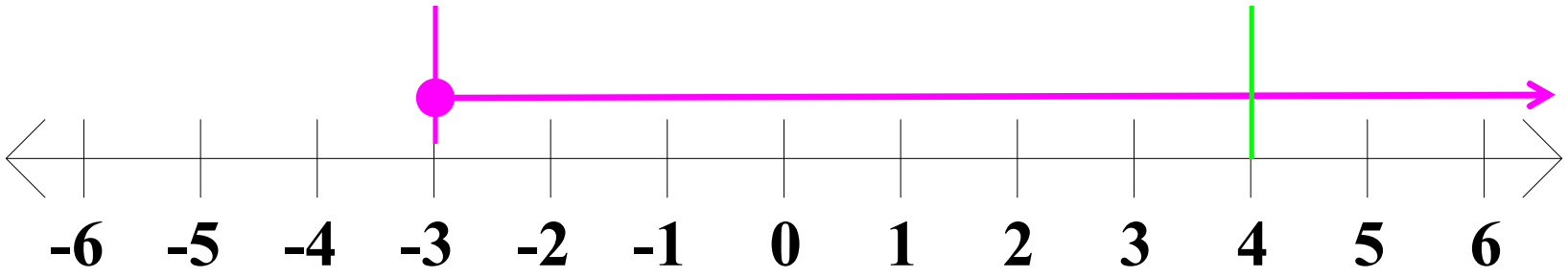

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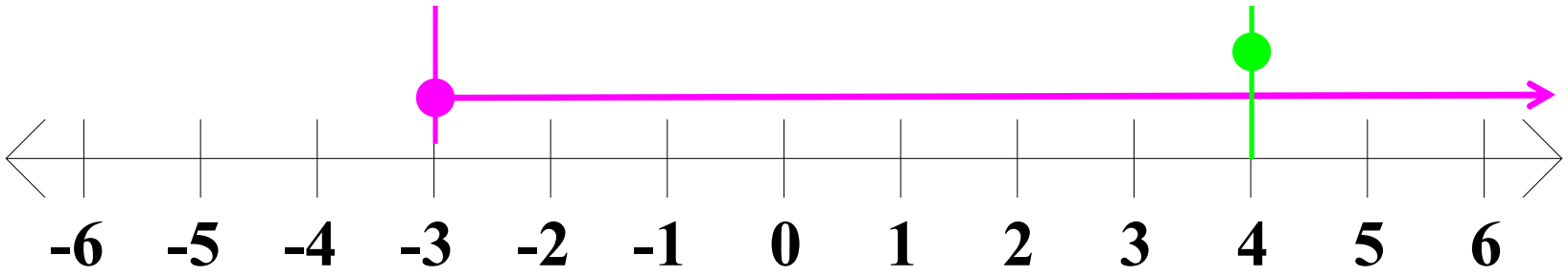

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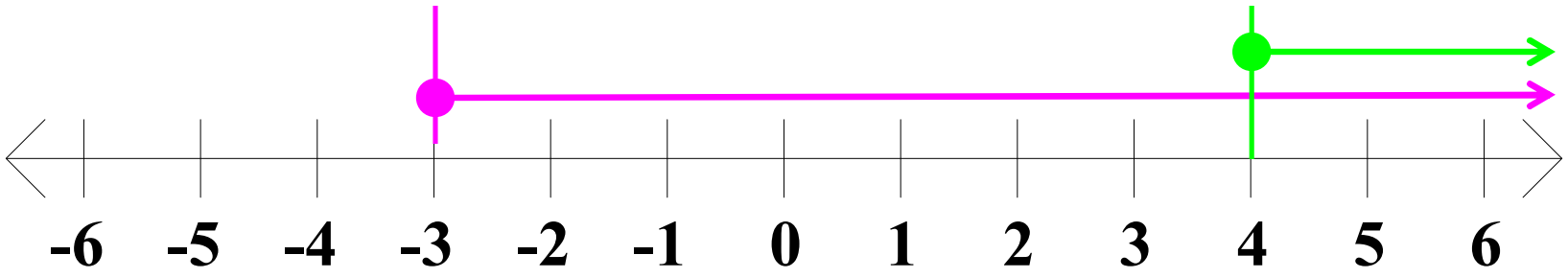

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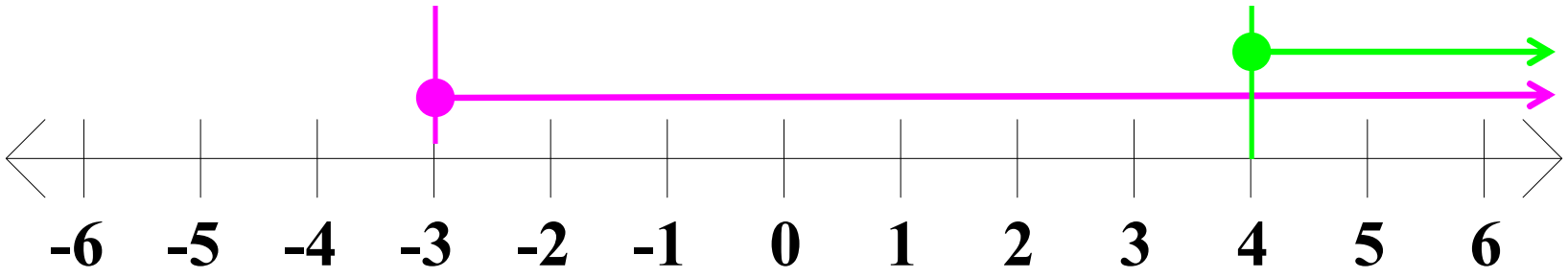

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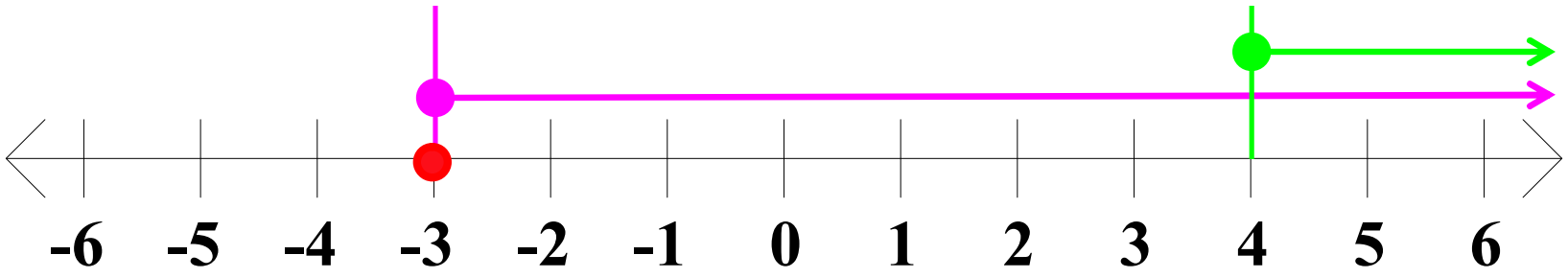

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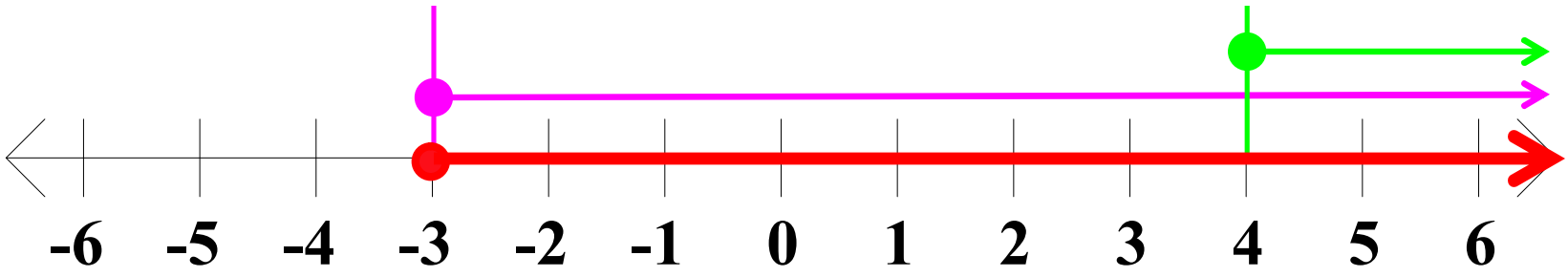

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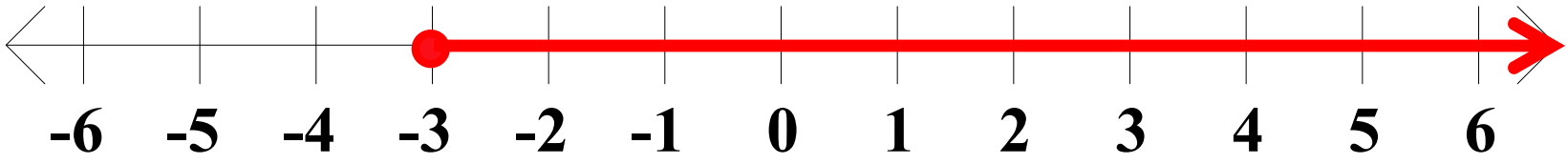

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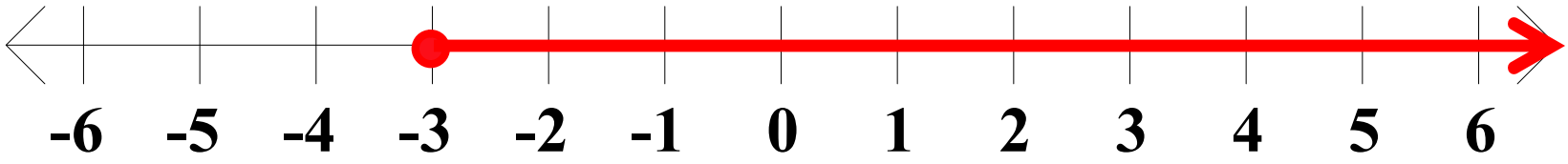

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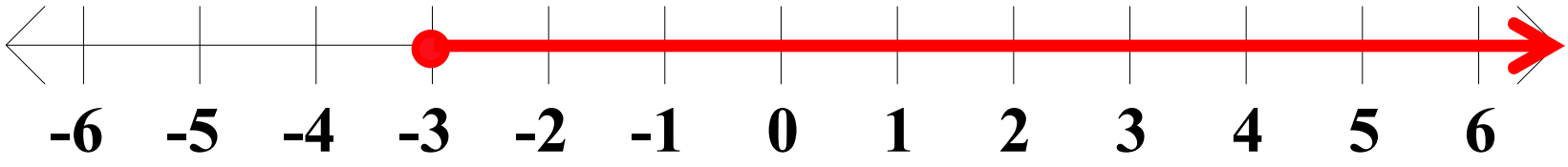

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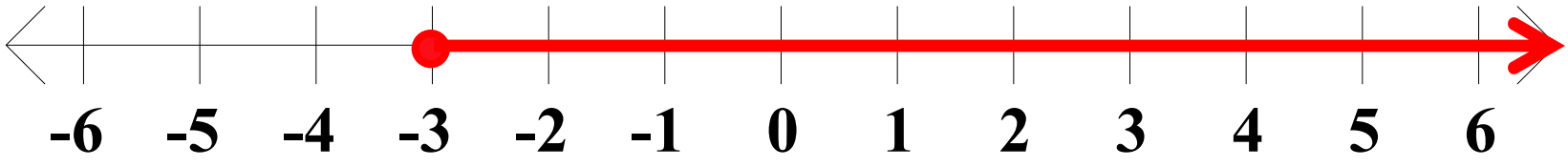

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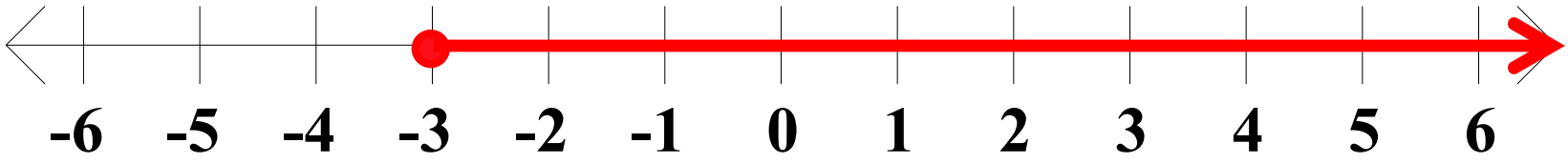

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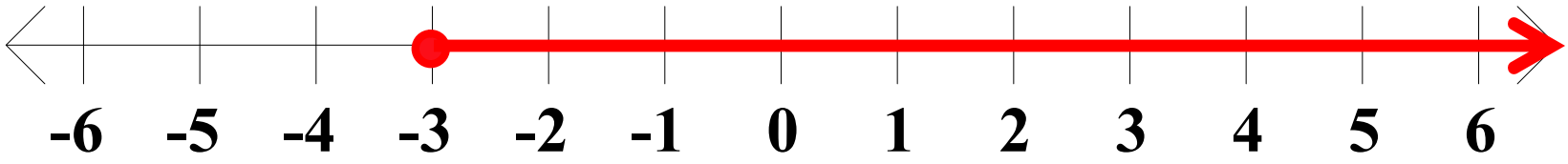

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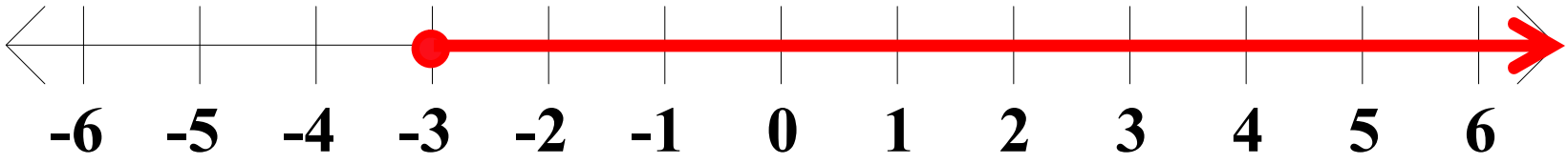

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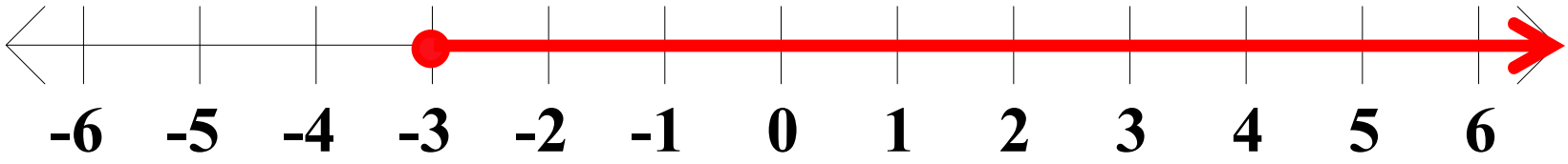

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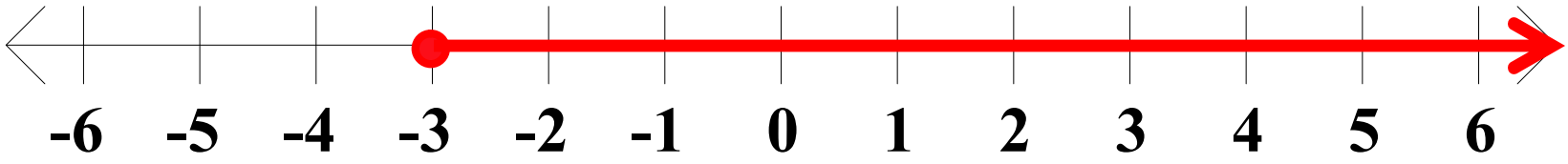

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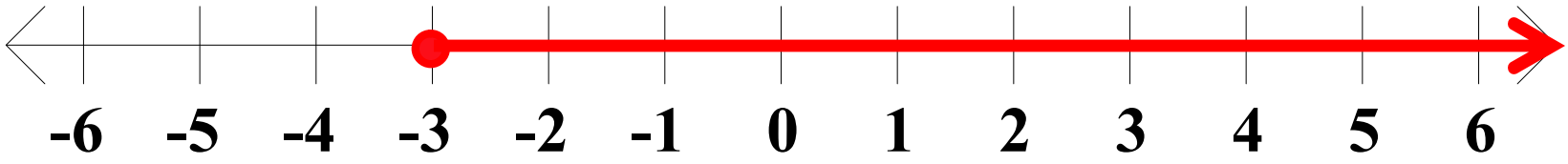

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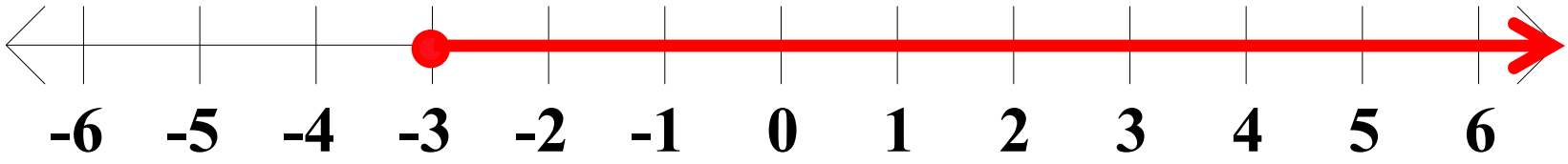

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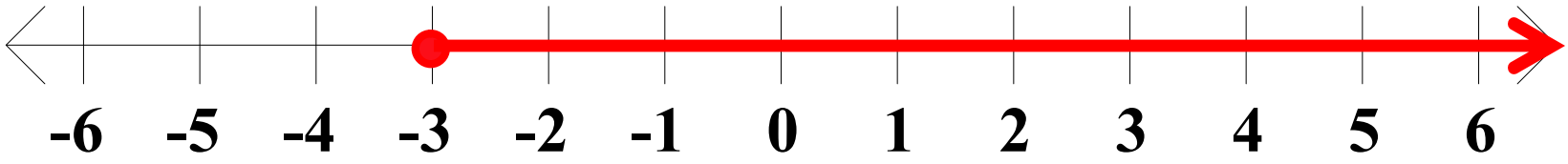

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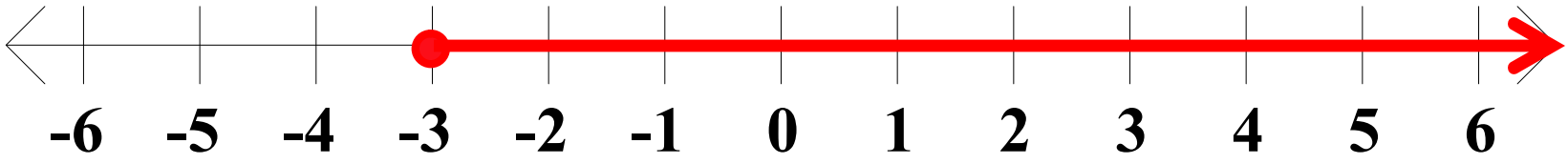

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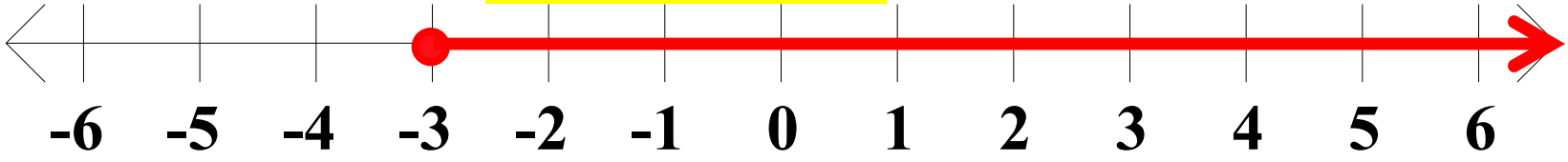

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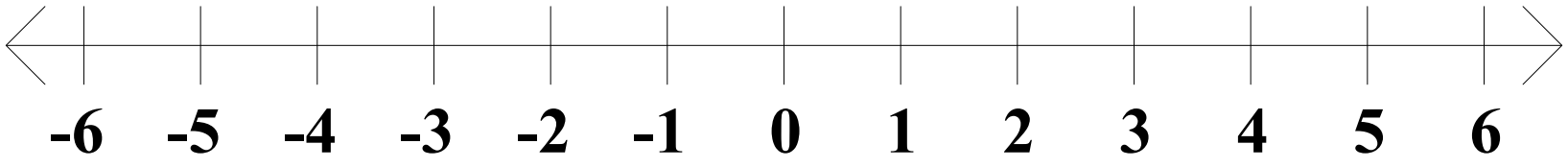

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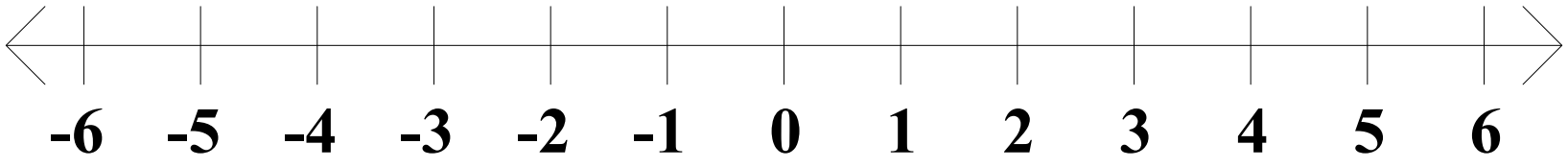

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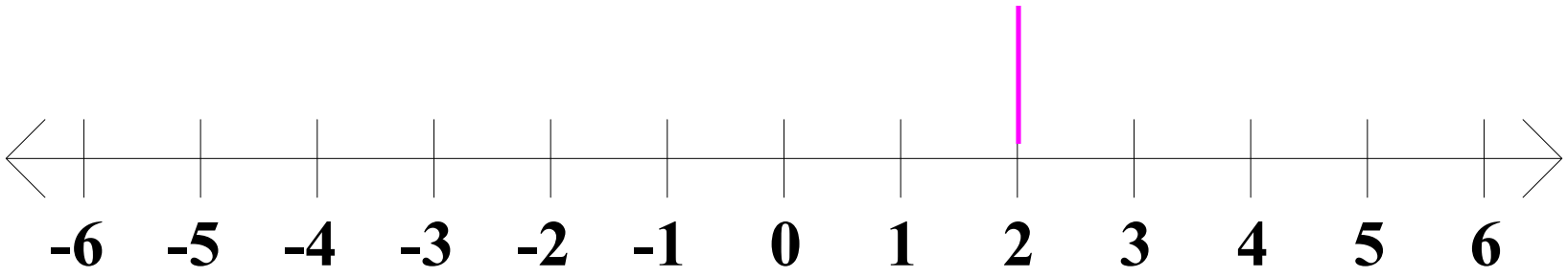

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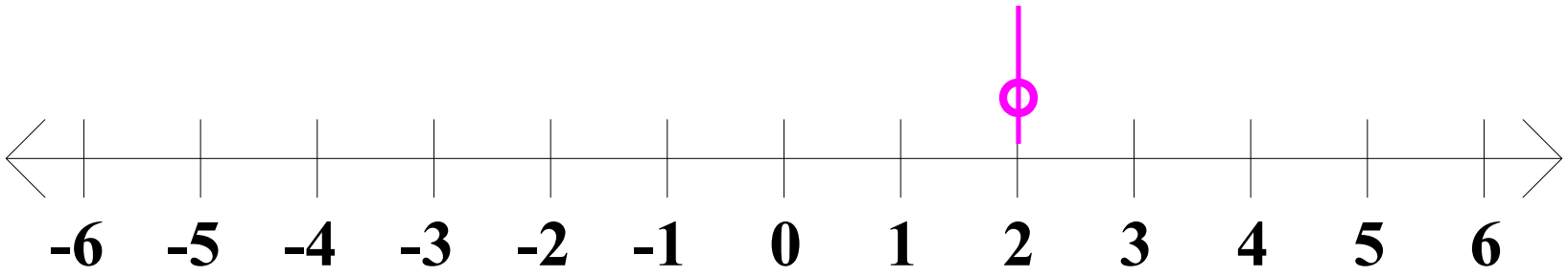

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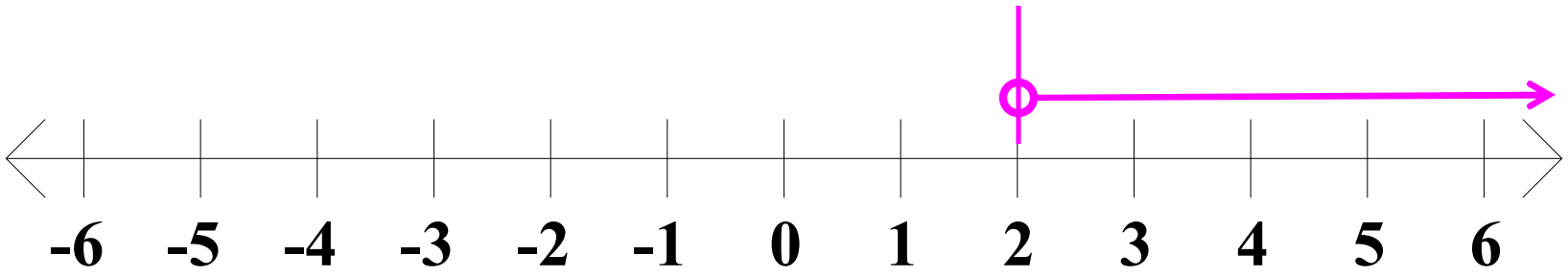

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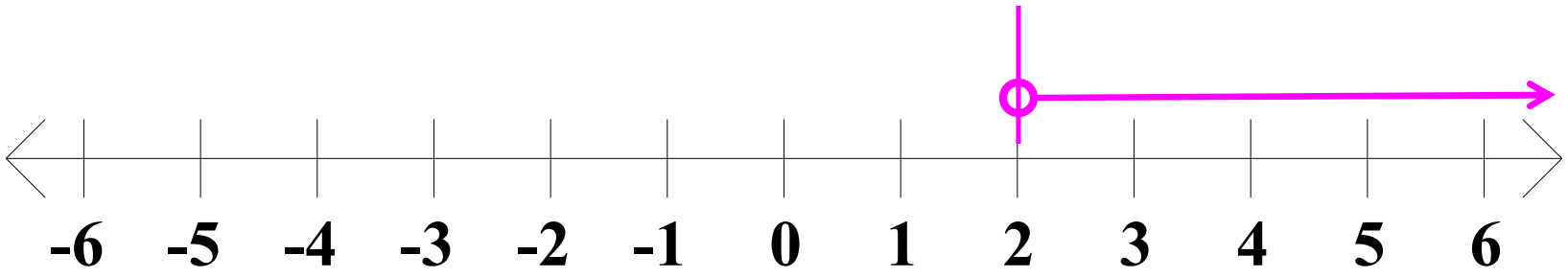

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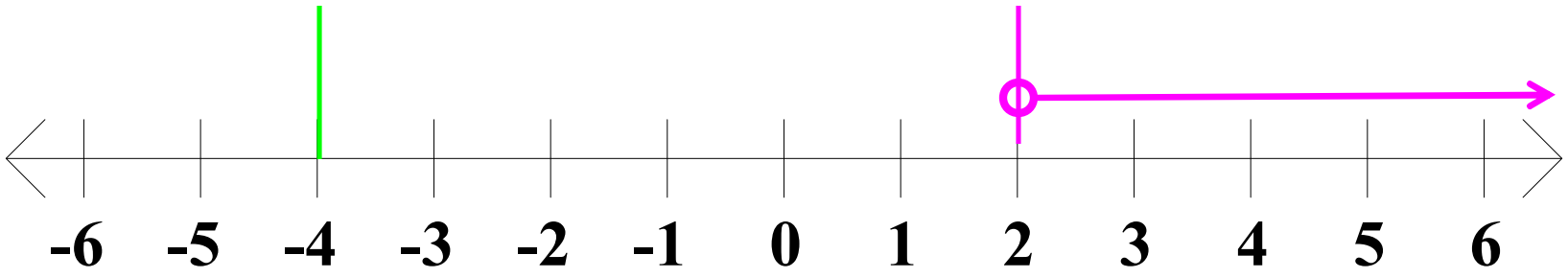

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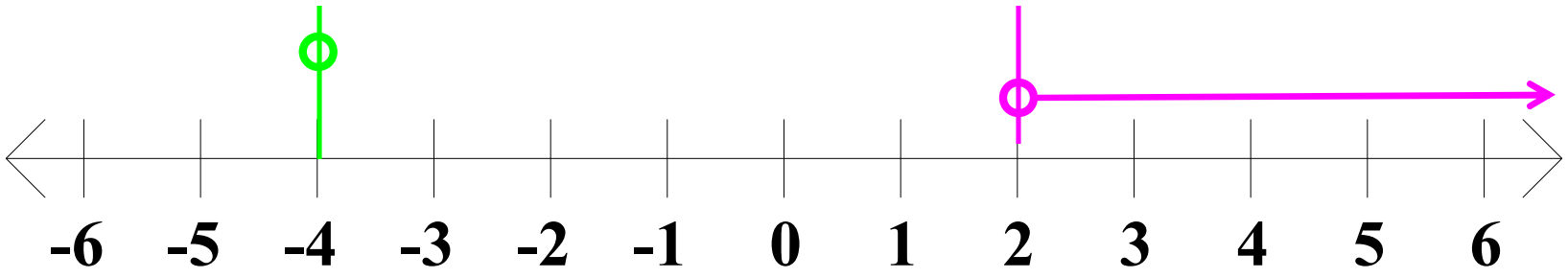

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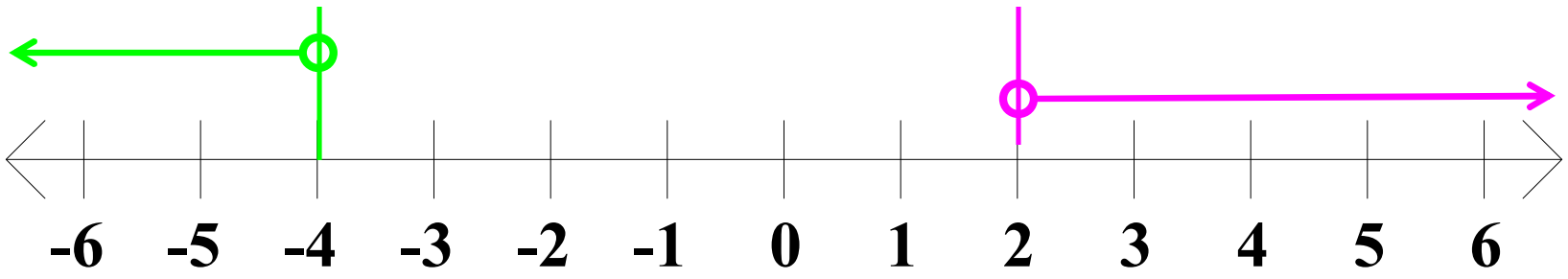

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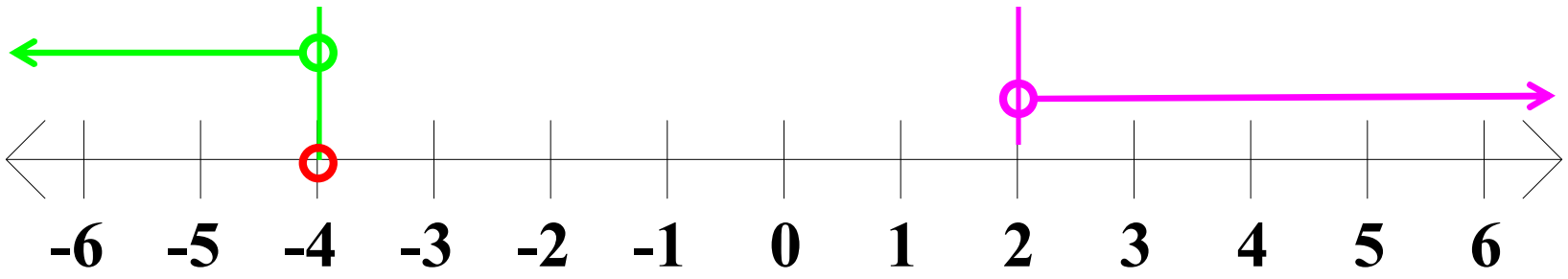

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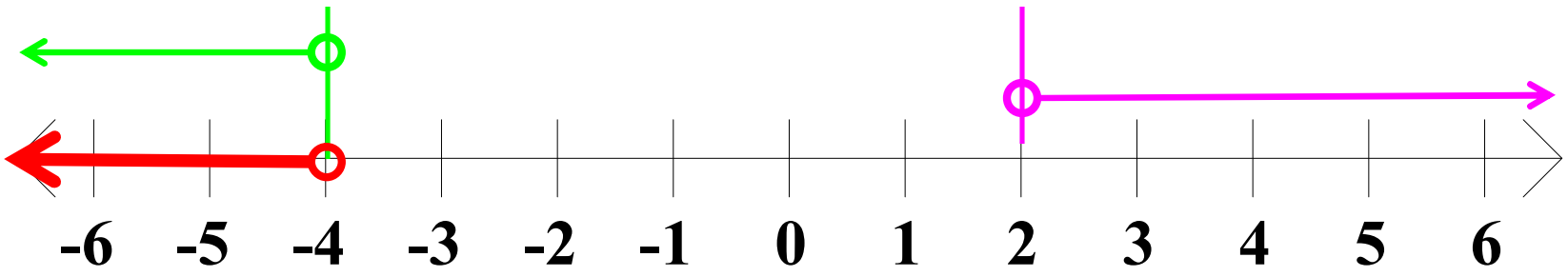

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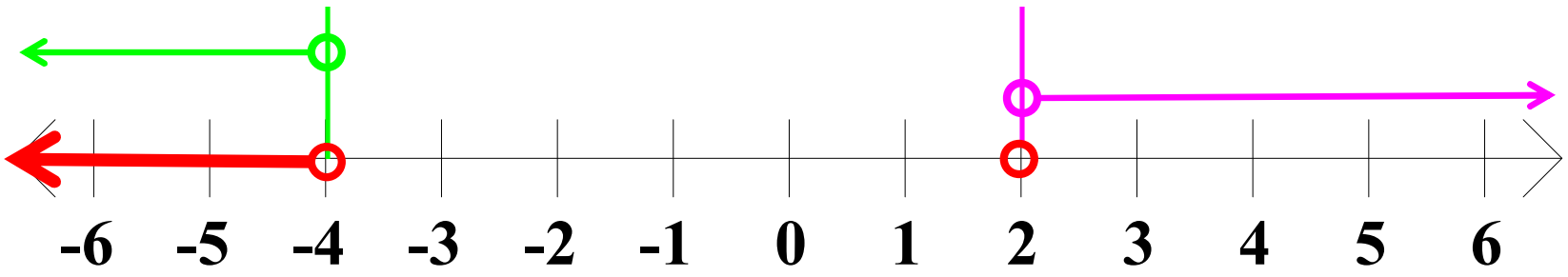

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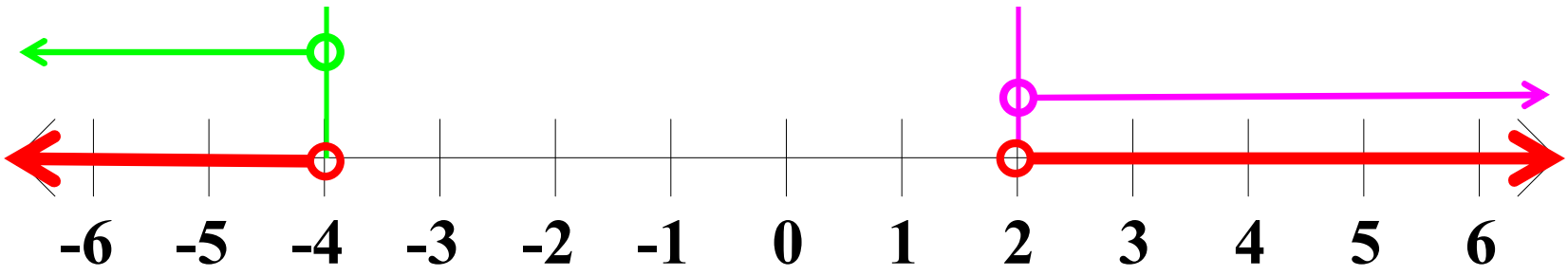

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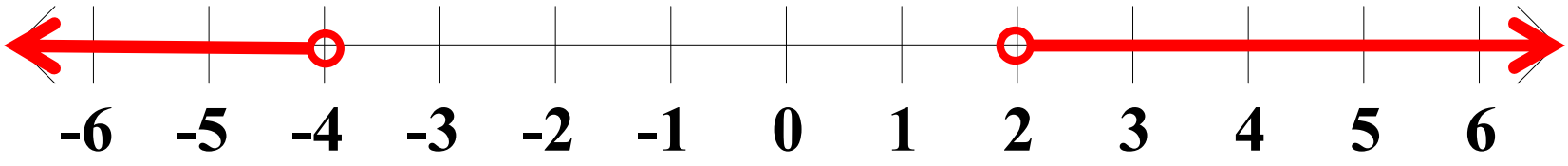

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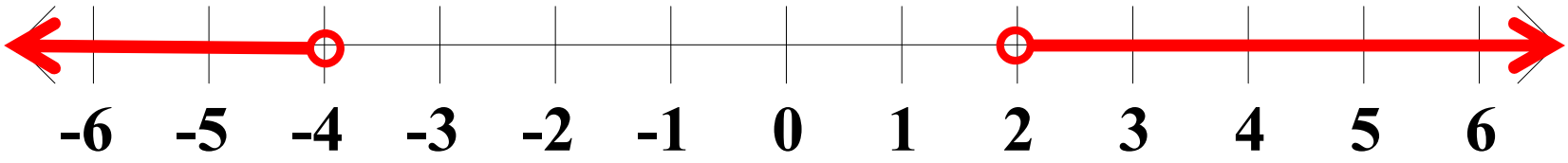

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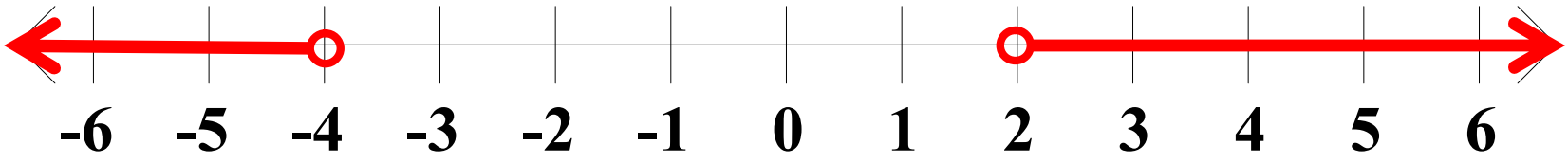

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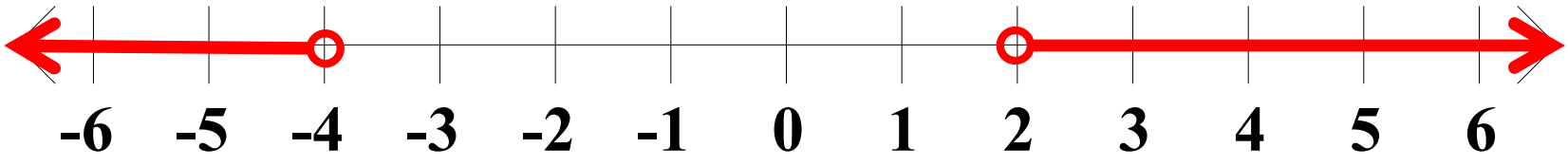

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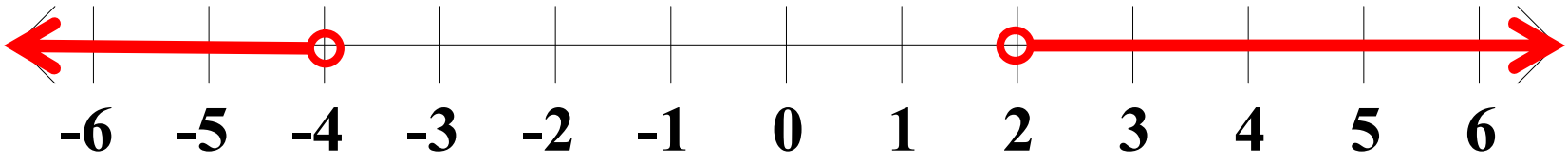

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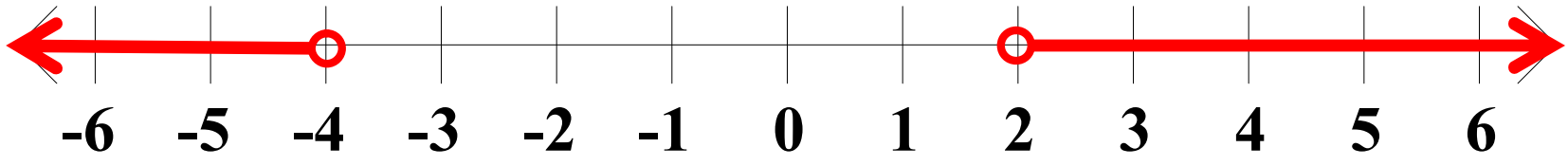

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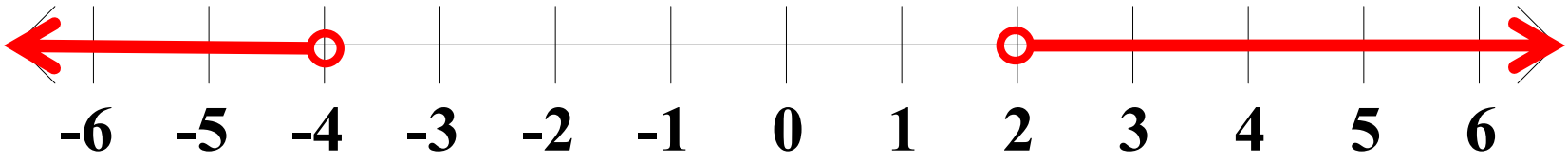

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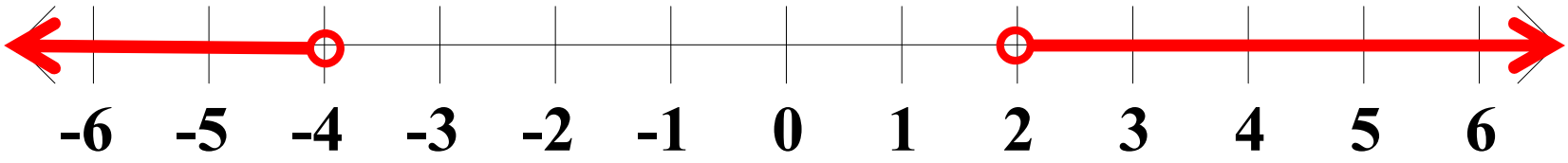

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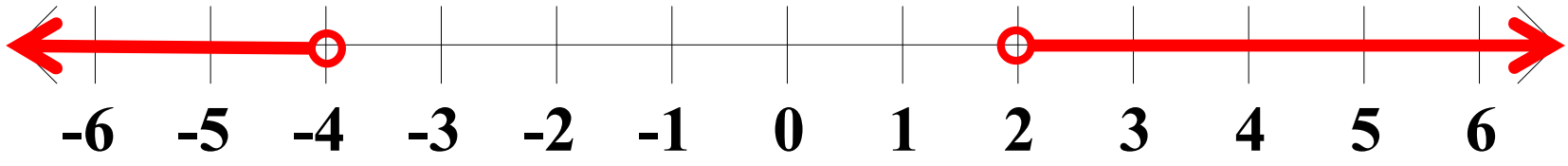

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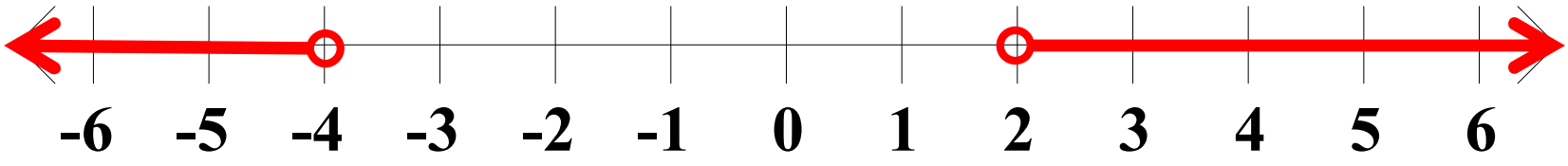

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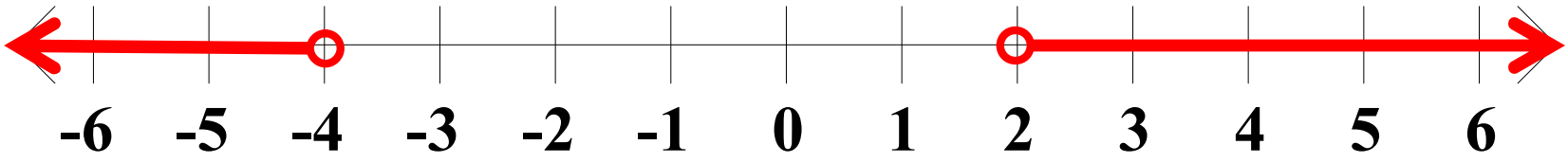

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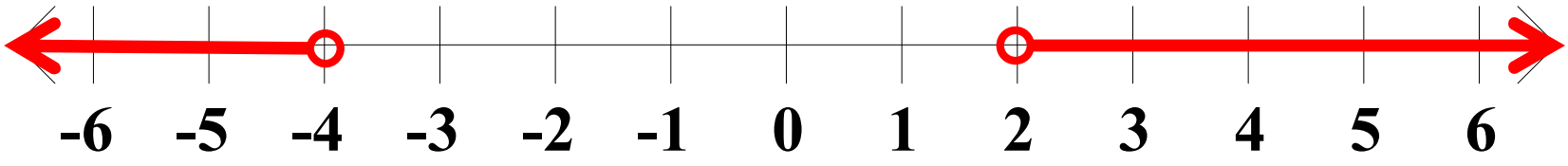

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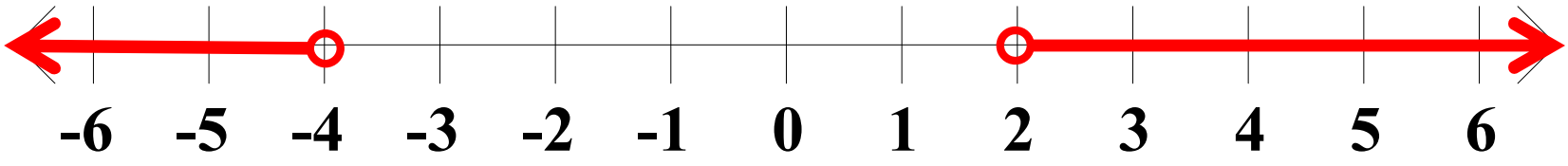

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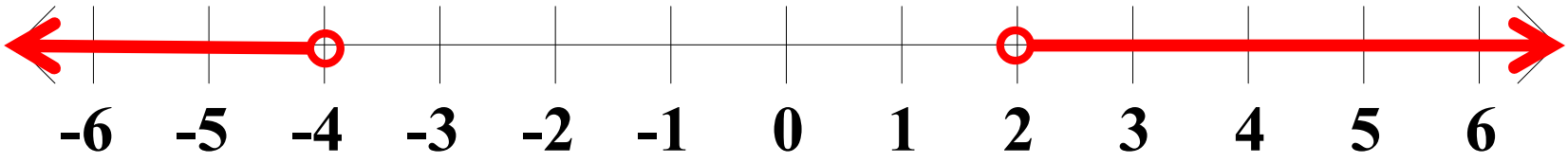

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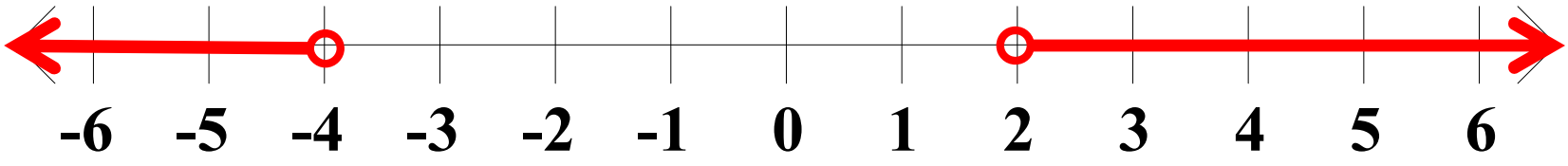

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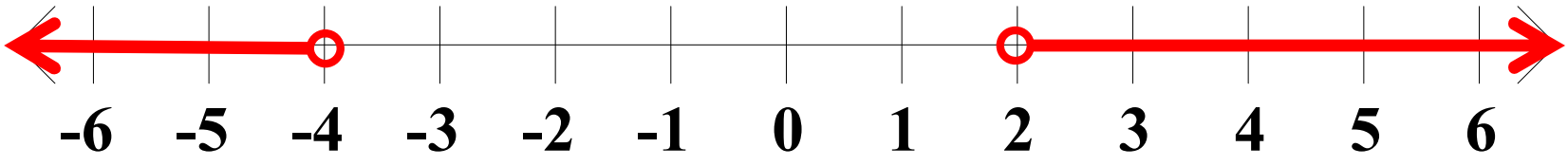

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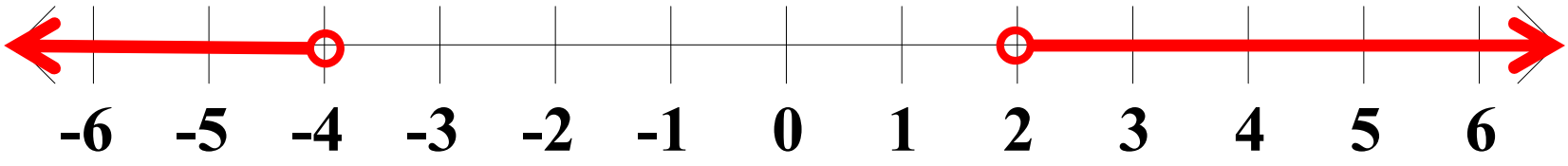

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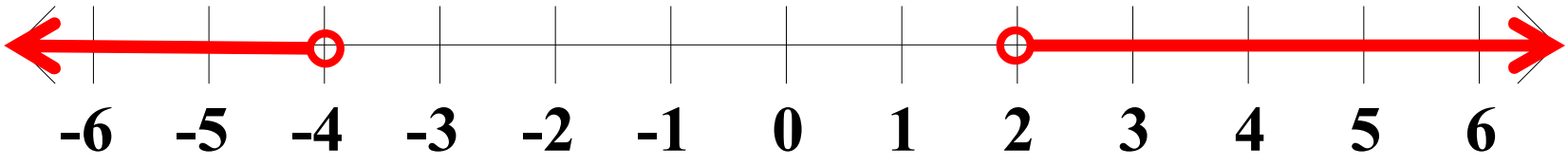

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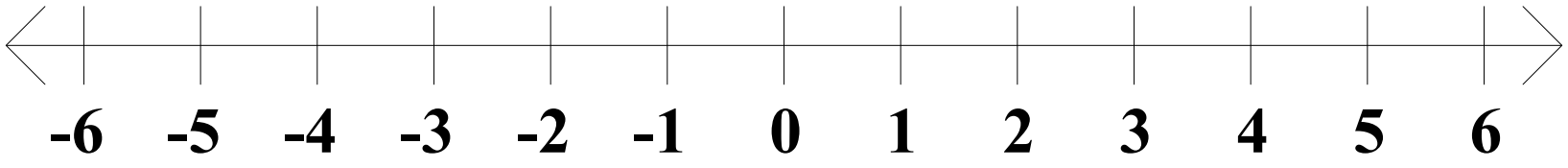

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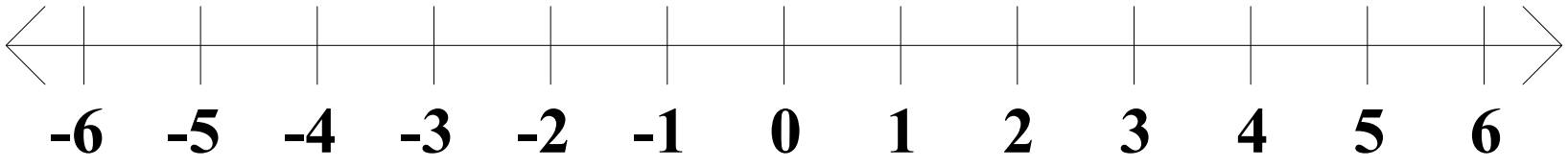

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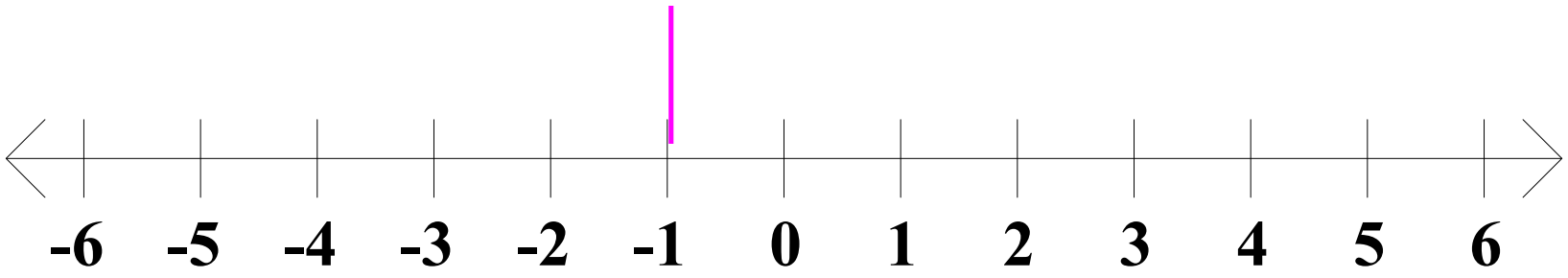

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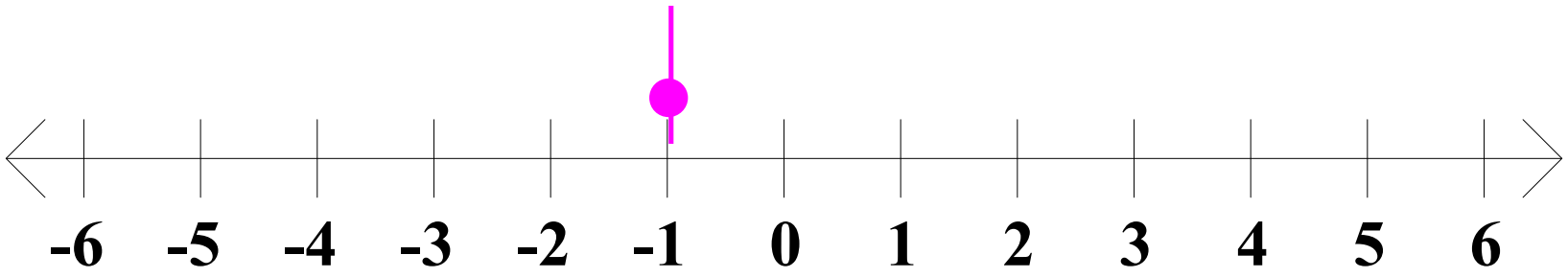

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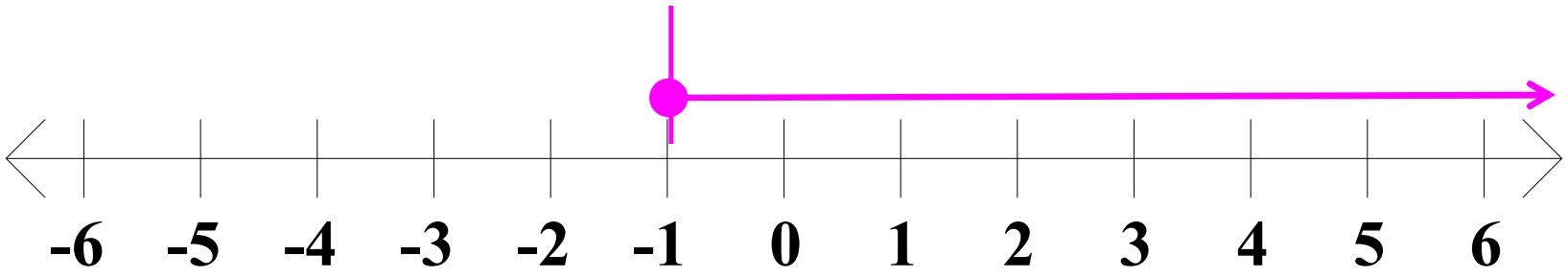

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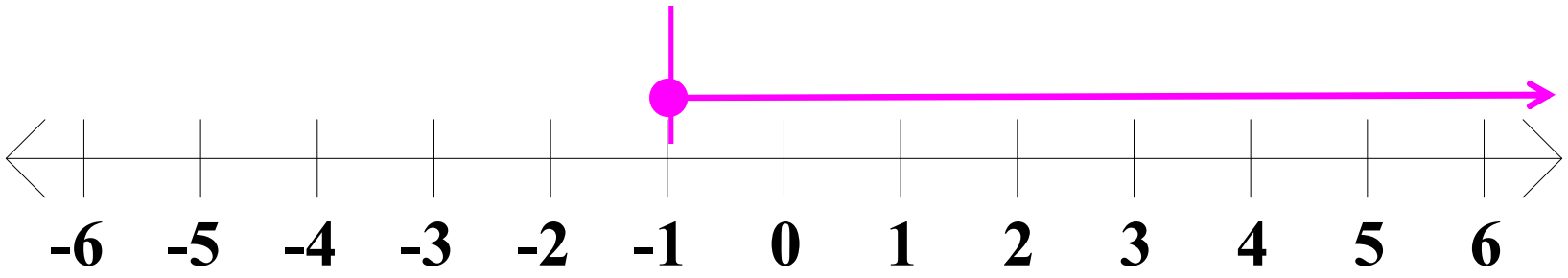

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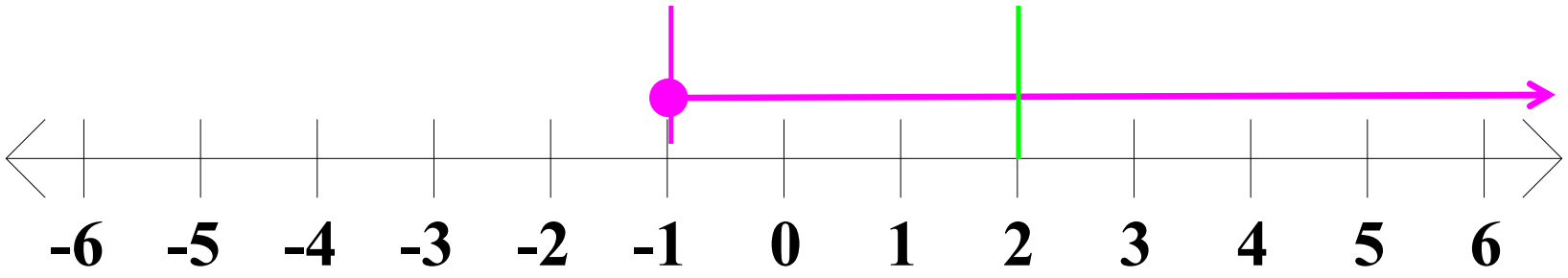

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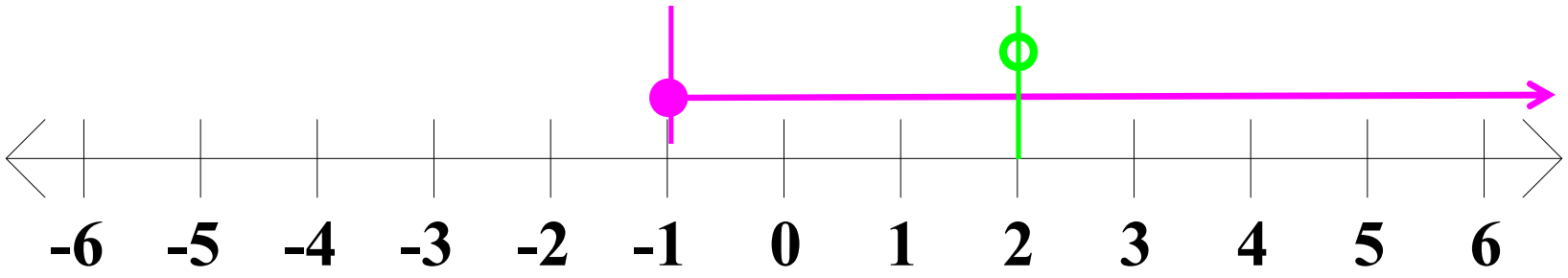

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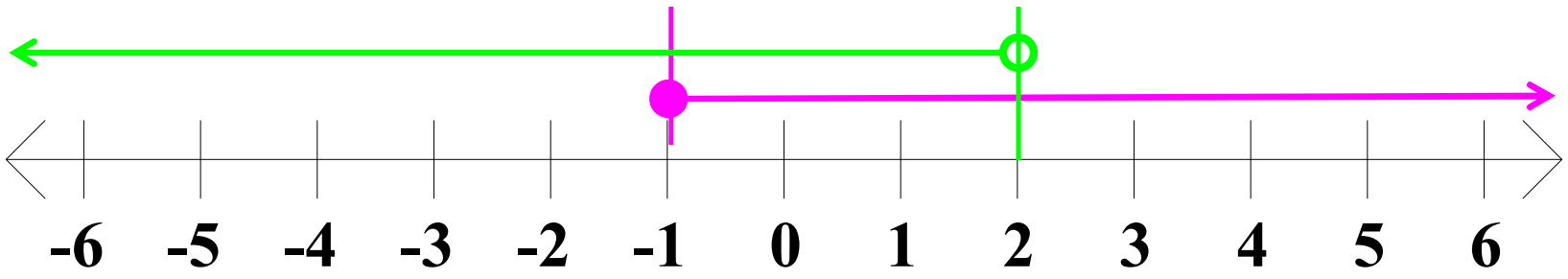

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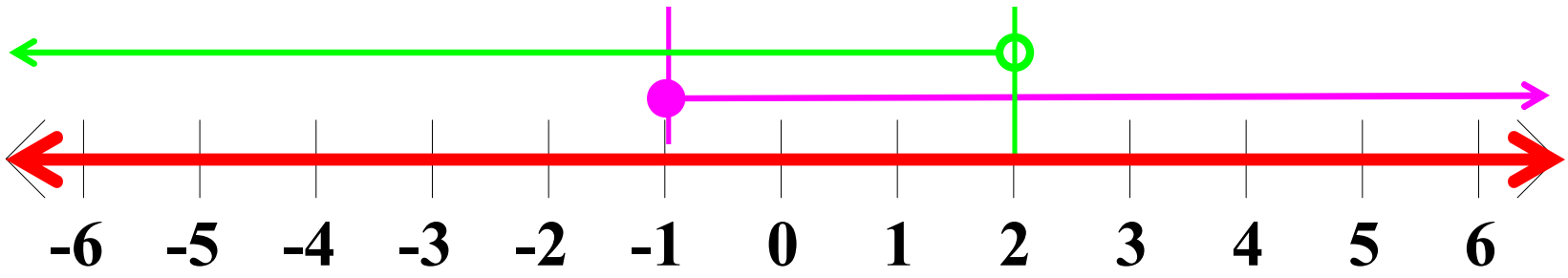

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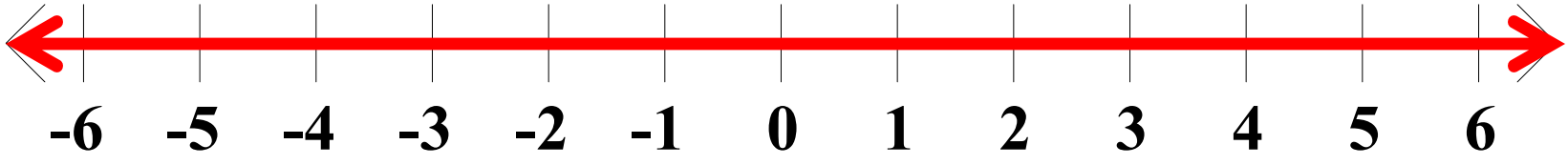

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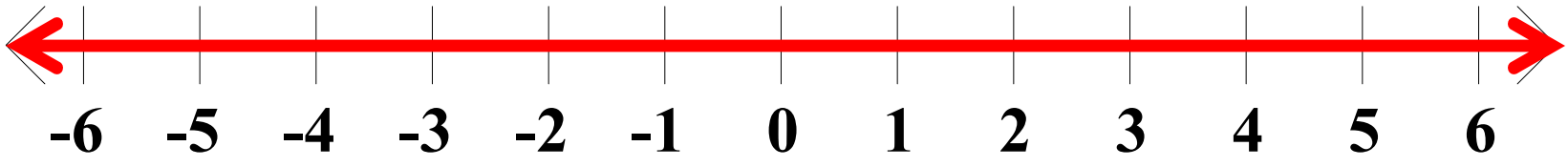

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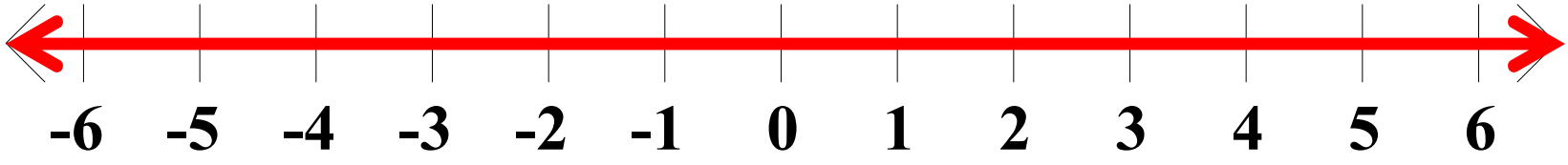

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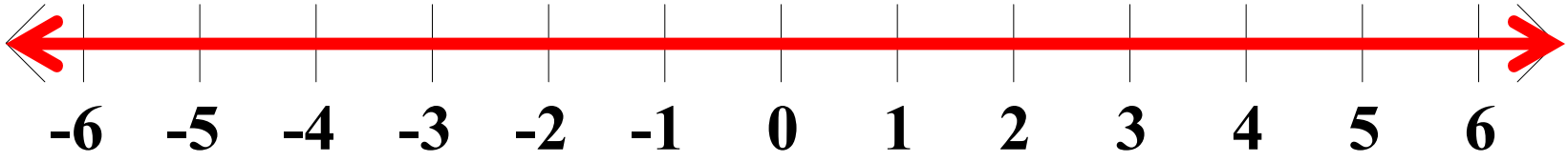

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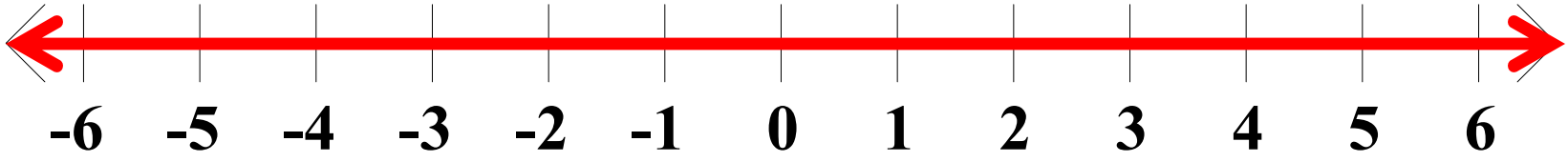

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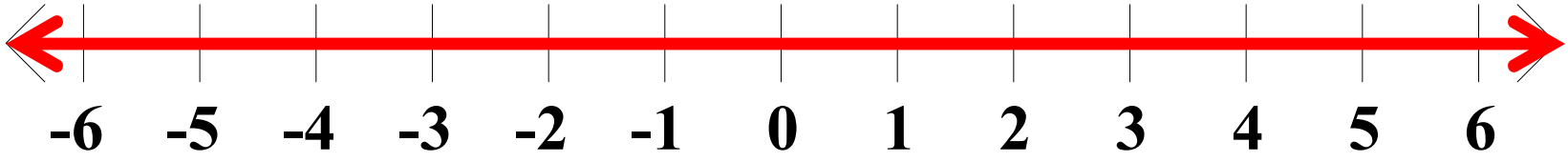

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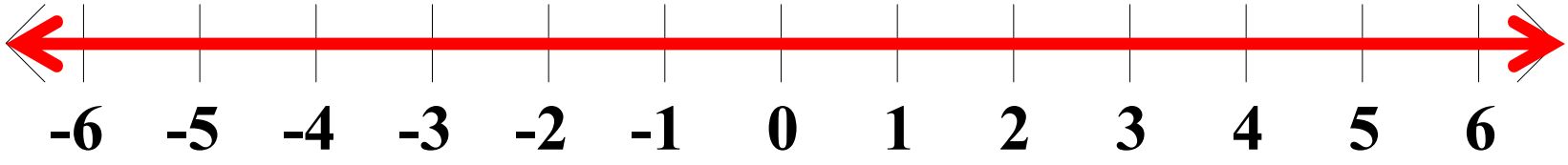

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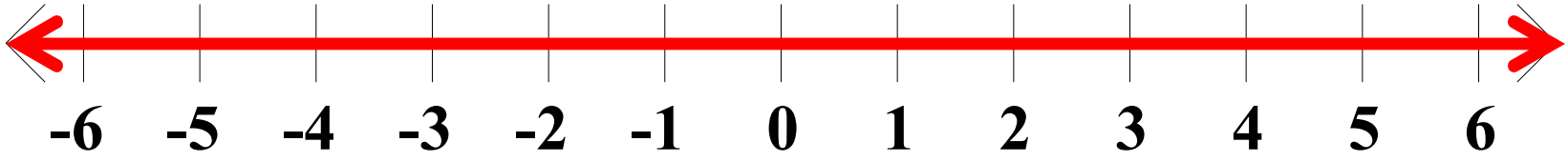

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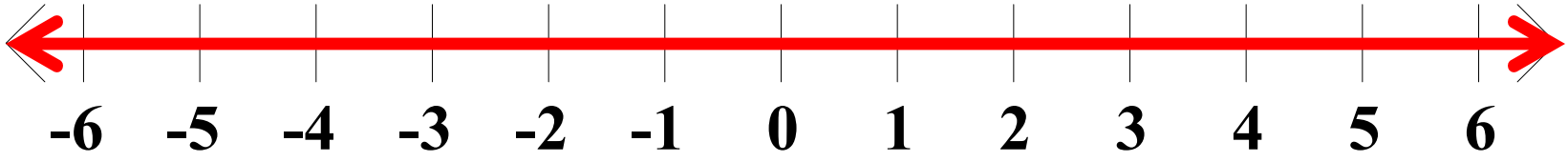

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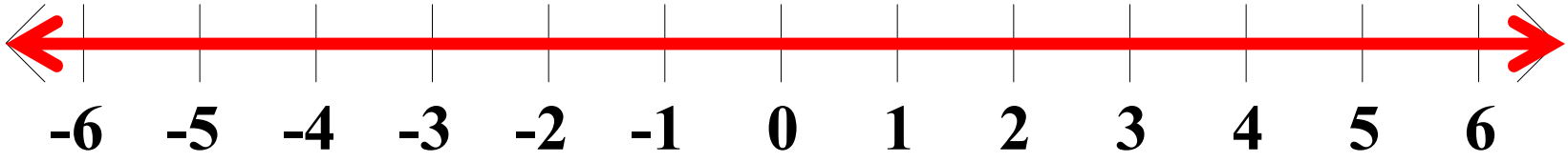

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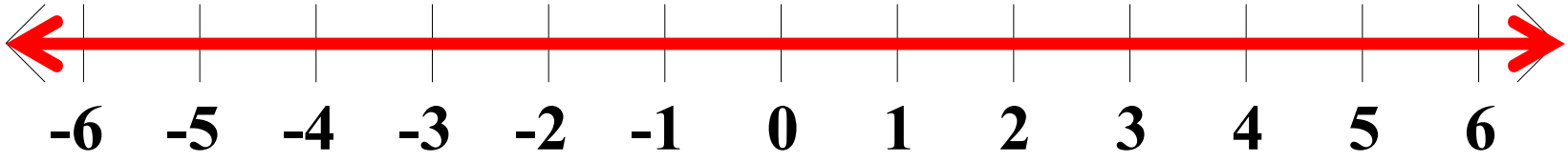

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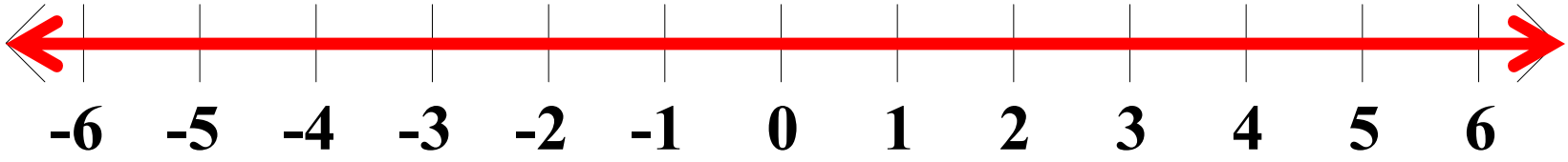

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