Algebra I   Worksheet #1   Unit 2 Selected Solutions

Complete the table for each input-output chart shown.

	13.	14.	15.	16.
Input	$x + 18 = 43$	$x - 83 = 15$	$6x = 228$	$\frac{x}{15} = 12$
Operation ↓	subtract 18 from both sides	add 83 to both sides	divide both sides by 6	multiply both sides by 15
Output ↓	$x = 25$	$x = 98$	$x = 38$	$x = 180$

Solve the following equations.

21. $x + 25 = 43$
$\quad\quad \underline{-25 \quad -25}$
$\quad\quad\quad x = 18$

22. $x - 42 = 53$
$\quad\quad \underline{+42 \quad +42}$
$\quad\quad\quad x = 95$

23. $\dfrac{5x}{5} = \dfrac{95}{5}$
$\quad\quad\quad x = 19$

24. $6 \cdot \dfrac{x}{6} = 18 \cdot 6$
$\quad\quad\quad x = 108$

Write an algebraic expression for each of the following. In each case, use B for Bill's age now.

33. Bill's age in three years :   __$B + 3$__   34. Bill's age five years ago :   __$B - 5$__

35. six times Bill's age :   __$6B$__