

# Balancing Equations with Variables on Both Sides (3-3)

**Example 1:** Tell whether the given value of the variable is a solution of the equation.  $x = -4$  or  $y = 3$

$$-4y + 7 = 3x - 9$$

**Example 1:** Solve the equation.

I Do	You Do
$5x - 7 = 9x + 21$	$3(2y + 4) = 8y$

**Example 2:** Solve the equation.

I Do	You Do
$3z - 6 = 5z + 20$	$2t + 7 = -2t - 13$

**Example 2:** Find the perimeter of the square.

I Do	You Do
Square with sides $x + 6$ and $3x$	Square with sides $3x + 8$ and $5x$