

**Activity Lesson Opener**

For use with pages 96–101

**SET UP:** Work with a partner.

1. The steps to solve the equation  $10y + 5 = 25$  are given below. Put the steps in the correct order. Next to each step, describe what happens in that step.

$$10y + 5 - 5 = 25 - 5$$

$$y = 2$$

$$10y = 20$$

$$\frac{10y}{10} = \frac{20}{10}$$

$$10y + 5 = 25$$

2. The steps to solve the equation  $6x + 3 = 9(x - 1)$  are given below. Put the steps in the correct order. Next to each step, describe what happens in that step.

$$-3 + 3 = -9$$

$$6x + 3 = 9x - 9$$

$$-3x = -12$$

$$6x + 3 = 9(x - 1)$$

$$\frac{-3x}{-3} = \frac{-12}{-3}$$

$$6x - 9x + 3 = 9x - 9x - 9$$

$$x = 4$$

$$-3x + 3 - 3 = -9 - 3$$