10.1 Key Concepts 2 Solving One-Step Equations Worked Example

Example: Solve for x: $\dfrac{x}{6} = -1$.

Solution: Multiply both sides of the equation by 6, and simplify.

$$\frac{x}{6} = -1$$
$$\frac{x}{6} \times 6 = -1 \times 6$$
$$x = -6$$

Practice:

1. Solve for y: $y + 3 = -2$.

2. Solve for s: $7s = -21$.

Answers: 1. $y = -5$, 2. $s = -3$