

Algebra I

3-1

Solving One-Step Equations

Solve - get the variable on a side by itself.

Solve.

$$1) x - 7 = 13$$

$$x - 7 + 7 = 13 + 7$$

$$x = 20$$

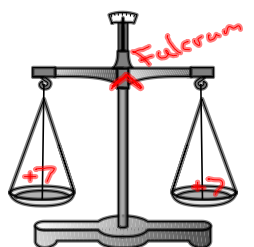
$$\{20\}$$

$$2) z + 8 = 31$$

$$z + 8 - 8 = 31 - 8$$

$$z = 23$$

$$\{23\}$$



$$x - 7 + 7 = 13 + 7$$

Solve.

$$3) -19 + a = 23$$

$$-19 + 19 + a = 23 + 19$$

$$a = 42$$

$$\{42\}$$

$$4) 4.5 = x + 1.6$$

$$4.5 - 1.6 = x + 1.6 - 1.6$$

$$2.9 = x$$

$$\{2.9\}$$

Solve.

<p>5) $4x = 44$ $\frac{4x}{4} = \frac{44}{4}$ $x = 11$ $\{11\}$</p>	<p>6) $-8c = 72$ $\frac{-8c}{-8} = \frac{72}{-8}$ $c = -9$ $\{-9\}$</p>	<p>7) $\frac{1}{2}x = 12$ $2(\frac{1}{2}x) = 2(12)$ $x = 24$ $\{24\}$</p>
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Solve.

<p>8) $(-\frac{1}{8}b = 8) (-8)$ $b = -64$ $\{-64\}$</p>	<p>9) $\frac{3}{2}x = 15$ $2(\frac{3}{2}x) = 2(15)$ $\frac{3x}{3} = \frac{30}{3}$ $x = 10$ $\{10\}$</p>
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Assignment:
 pg. 137
 4-14 even, 15, 16,
 18-28 even, 29, 30,
 32-50 even, 55-57,
 59, 60, 65, 66