

Diagnostic: Solve Two-Step Equations

Solve each equation.

1) $39 = -3 - 6a$

2) $\frac{n+7}{-1} = 0$

3) $8 = 7 + \frac{n}{4}$

4) $-7 + \frac{n}{10} = -6$

5) $\frac{3}{4}x - 9\frac{3}{7} = -10\frac{1}{56}$

6) $-2 + \frac{2}{5}n = 0$

7) $2.7 = \frac{n+0.4}{-2}$

8) $\frac{x}{4.8} - 0.8 = -1.05$

9) $18.1 = 6n + 7.9$

10) $8.6 - k = -5.23$

Answers to Diagnostic: Solve Two-Step Equations

1) $\{-7\}$
5) $\left\{-\frac{11}{14}\right\}$
9) $\{1.7\}$

2) $\{-7\}$
6) $\{5\}$
10) $\{13.83\}$

3) $\{4\}$
7) $\{-5.8\}$

4) $\{10\}$
8) $\{-1.2\}$