

Algebra I Worksheet #1 Unit 5 Selected Solutions

Solve each of the following equations. Show your steps neatly organized. Express your answers in **lowest terms**.

$$\begin{array}{r} 1. \quad 2x + 6 = 7 \\ \quad -6 \quad -6 \\ \hline \quad \frac{2x}{2} = \frac{1}{2} \\ \quad \boxed{x = \frac{1}{2}} \end{array}$$

$$\begin{array}{r} 4. \quad 8x + 1 = -11 \\ \quad -1 \quad -1 \\ \hline \quad \frac{8x}{8} = \frac{-12}{8} \\ \quad \boxed{x = \frac{-3}{2}} \end{array}$$

$$\begin{array}{r} 7. \quad 6x - 7 = 1 \\ \quad +7 \quad +7 \\ \hline \quad \frac{6x}{6} = \frac{8}{6} \\ \quad \boxed{x = \frac{4}{3}} \end{array}$$

$$\begin{array}{r} 11. \quad 24x - 17 = 13 \\ \quad +17 \quad +17 \\ \hline \quad \frac{24x}{24} = \frac{30}{24} \\ \quad \boxed{x = \frac{5}{4}} \end{array}$$