

3.1

$$x + 4 = 9$$

$$\boxed{5} + 4 = 9$$

$$\begin{array}{r} x + 4 = 9 \\ \quad \quad -4 \quad \quad -4 \\ \hline x = 5 \end{array}$$

Subtraction Property
of Equality

$$\begin{array}{r} x + 4 = 9 \\ \quad \quad -4 \quad \quad -4 \\ \hline x = 5 \end{array}$$

$$x - 8 = 3$$

$$x = 11$$

Addition Property
of Equality

$$5 - x = 7 \quad \text{Subtraction Prop of } =$$

$$-x = 2$$

$$\frac{-x}{-1} = \frac{2}{-1} \quad \text{Division Property of Equality}$$

$$\frac{-x}{-1} = \frac{+9}{-1}$$

$$\frac{+9}{-1} = -9$$

$$x = -2$$

$$\frac{6 \cdot -1}{-6}$$

$$(-1)(-x) = 2(-1) \quad \text{Multiplication Property of Equality}$$

$$x = -2$$

$$5 - x = 7$$

$$5 - 7 = x + 7 - 7 \quad \text{Zero out}$$

$$-2 = x$$

$$13 \overset{-8}{-} x = \overset{-8}{8}$$

Subtraction
Property of Equality

$$5 \overset{+x}{-} x = 0 \overset{+x}{} x$$

Addition
Property of Equality

$$5 = x$$

$$x = 5$$

Symmetric
Property of Equality

$$h + 9.1 = 5.3$$

$$h + \textcircled{-9} = \overset{-9}{5}$$

$$h = -4$$

$$h + 9.1 = 5.3$$

$$h = -3.8$$

$$\begin{array}{r} 5-9 \quad -9+5 \\ \textcircled{9-5} \quad 4 \\ \hline 89.1 \\ -5.3 \\ \hline 3.8 \end{array}$$

$$x + 7.3 = -2.9$$

$$x = -10.2$$

$$\begin{array}{r} 7.3 \\ 2.9 \\ \hline 10.2 \end{array}$$

$$x + 8.1 = 4.7$$

$$x = -3.4$$

$$\begin{array}{r} 8.1 \\ -4.7 \\ \hline 3.4 \end{array}$$

$$x + \frac{2}{3} = \frac{1}{5}$$

$$x = -\frac{7}{15}$$

$$\begin{array}{r} \frac{2}{3} - \frac{1}{5} \\ \frac{10}{15} - \frac{3}{15} \\ \hline \frac{7}{15} \end{array}$$

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$$20 - 80 \times 4$$

$$20. \quad a - 4 = -10$$

$$a = -6$$

Check

$$-6 - 4 = -10$$

$$-10 = -10$$