

Solve each equation with variables on the same side.

$$1. \quad \begin{array}{r} 5x + 3 = 7 \\ -3 \quad -3 \\ \hline \end{array}$$

$$5x = 4$$

$$x = 0.8$$

$$2. \quad \begin{array}{r} 4y - 7 = 5 \\ +7 \quad +7 \\ \hline \end{array}$$

$$4y = 12$$

$$y = 3$$

$$3. \quad \begin{array}{r} 9p + 5 = -13 \\ -5 \quad -5 \\ \hline \end{array}$$

$$9p = -18$$

$$p = -2$$

$$4. \quad \begin{array}{r} 23 = 6x - 1 \\ +1 \quad +1 \\ \hline \end{array}$$

$$24 = 6x$$

$$4 = x$$

$$5. \quad \begin{array}{r} \frac{2}{3}x - 5 = 1 \\ +5 \quad +5 \\ \hline \end{array}$$

$$\frac{2}{3}x = 6$$

$$x = 9$$

$$6. \quad \frac{7}{5}y = 3 - \frac{1}{5}$$

$$\frac{7}{5}y = \frac{14}{5}$$

$$y = 2$$

$$7. \quad \frac{5}{8}p = \frac{9}{4} - \frac{3}{8}$$

$$\frac{5}{8}p = \frac{15}{8}$$

$$p = 3$$

$$8. \quad \frac{5}{6} = \frac{3}{4}x - \frac{2}{3}$$

$$+\frac{2}{3}$$

$$+\frac{2}{3}$$

$$\frac{3}{2} = \frac{3}{4}x$$

$$2 = x$$

$$9. \quad \begin{array}{r} 5.7 + 0.3y = 6.9 \\ -5.7 \quad -5.7 \\ \hline \end{array}$$

$$.3y = 1.2$$

$$y = 4$$

$$10. \quad 4.2 + 2.5a = 9.2$$

$$a = 2$$

$$11. \quad \begin{array}{r} 3.2y - 7 = 9 \\ +7 \quad +7 \\ \hline \end{array}$$

$$3.2y = 16$$

$$y = 5$$

$$12. \quad 5.5p - 6.8 = 15.2$$

$$p = 4$$

Solve each equation.

$$1) \frac{x}{-5} + 2 = -1$$

$$x = 15$$

$$2) -66 = 8x - 2$$

$$-8 = x$$

$$3) 5(v + 5) = -75$$

$$v = -20$$

$$4) \frac{1+b}{3} = -5$$

$$b = -16$$

$$5) -2n + 1 = -23$$

$$n = 12$$

$$6) -1 + 6k = -115$$

$$k = -19$$

$$7) 5(8 + a) = 45$$

$$a = 1$$

$$8) -136 = -6 - 10r$$

$$13 = r$$

$$9) 2x + \frac{1}{2} = -5$$

$$x = -2.75$$

challenge

$$\star 10) \frac{3}{2} = 2 - \frac{7}{4}x$$

$$\frac{2}{7} = x$$

$$11) -3 = \frac{0.4 + m}{-3.3}$$

$$m = 9.5$$

$$12) 4.751 = -0.89p - 0.5$$

$$-5.9 = p$$