

Do NOT move the desk!!
Turn your phone OFF!!
Put your phone up!!
Sit down!!
Be quiet!!
Prepare to work!!
Keep your hands to yourself!!

Solve Equations

$$3) \frac{x}{5} - 9 = 7$$

$$\begin{array}{r} +9 \quad +9 \\ \hline \end{array}$$

$$\frac{x}{5} = 16$$

$$x = 80$$

$$\frac{x}{5} = 16$$

$$\frac{1}{5} \quad \frac{1}{5}$$

$$x = 80$$

$$x - 9 = 7$$

$$\begin{array}{r} +9 \quad +9 \\ \hline x = 16 \end{array}$$

$$13) \quad 8 - \frac{1}{3}x = 16$$
$$\quad \quad \quad -8 \quad \quad \quad -8$$

$$-\frac{1}{3}x = 8$$
$$\frac{-1}{3} \quad \quad \quad \frac{-1}{3}$$

$$x = -24$$

$$5) \quad \frac{x}{7} + 11 = 1$$
$$\quad \quad \quad -11 \quad \quad -11$$

$$\frac{x}{7} = -10$$

$$x = -70$$

$$21) \quad 14 - \frac{2x}{3} = 18$$

$$\begin{array}{r} -14 \\ \hline \end{array}$$

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

$$\begin{array}{r} -2 \\ \hline 3 \end{array} \quad \begin{array}{r} 4 \\ \hline 3 \end{array}$$

$$x = -6$$

$$31) \quad 41 - \frac{3}{8}x = -22$$

$$\begin{array}{r} -41 \\ \hline \end{array}$$

$$\frac{-3}{8}x = -63$$

$$\begin{array}{r} -3 \\ \hline 8 \end{array} \quad \begin{array}{r} -63 \\ \hline 8 \end{array}$$

$$x = 161$$

$$30) \quad 53 - \frac{2}{3}x = 59$$
$$\begin{array}{r} -53 \qquad \qquad -53 \\ \hline \end{array}$$

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

$$x = -9$$

$$11) \quad \frac{1}{4}x + 9 = 13$$
$$\begin{array}{r} -9 \quad -9 \\ \hline \end{array}$$

$$\frac{1}{4}x = 4$$
$$\frac{\frac{1}{4}}{\frac{1}{4}} = \frac{4}{\frac{1}{4}}$$

$$x = 16$$

$$\begin{array}{r} 25) \quad \frac{2}{3}x - 3 = 11 \\ \quad \quad +3 \quad +3 \\ \hline \frac{2}{3}x = 14 \\ \frac{\frac{2}{3}}{\frac{2}{3}} \quad \frac{14}{\frac{2}{3}} \\ x = 21 \end{array}$$

$$\begin{array}{r} \text{P. 69} \\ 20) \quad \frac{3x}{4} + 17 = 23 \\ \quad \quad -17 \quad -17 \\ \hline \frac{3x}{4} = \frac{6}{4} \\ \frac{\frac{3x}{4}}{\frac{3}{4}} = \frac{\frac{6}{4}}{\frac{3}{4}} \\ x = 8 \end{array}$$

$$\begin{array}{r} 22) \ 13 - \frac{3x}{2} = 37 \\ \quad \underline{-13} \qquad \underline{-13} \\ \qquad \frac{-3x}{2} = 24 \\ \qquad \underline{\qquad} \quad \underline{-3} \\ \qquad \frac{-3}{2} \qquad \qquad 2 \\ \qquad \qquad \qquad x = -16 \end{array}$$





