

Solving One & Two Step Equations

key

Solve for x. Show all your work/steps!!

1.) $x + 8 = 26$

$$\begin{array}{r} -8 \quad -8 \\ \hline x = 18 \end{array}$$

2.) $9 + 4x = 29$

$$\begin{array}{r} -9 \quad -9 \\ \hline 4x = 20 \\ \frac{4x}{4} \quad \frac{20}{4} \quad x = 5 \end{array}$$

3.) $x - 6 = -10$

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

4.) $-4 + 2x = 28$

$$\begin{array}{r} +4 \quad +4 \\ \hline 2x = 32 \\ \frac{2x}{2} \quad \frac{32}{2} \quad x = 16 \end{array}$$

5.) $-5 + x = 4$

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

6.) $-10 + 5x = 30$

$$\begin{array}{r} +10 \quad +10 \\ \hline 5x = 40 \\ \frac{5x}{5} \quad \frac{40}{5} \quad x = 8 \end{array}$$

7.) $10 = x + 4$

$$\begin{array}{r} -4 \quad -4 \\ \hline 6 = x \end{array}$$

8.) $4x - 1 = 27$

$$\begin{array}{r} +1 \quad +1 \\ \hline 4x = 28 \\ \frac{4x}{4} \quad \frac{28}{4} \quad x = 7 \end{array}$$

9.) $3x = 9$

$$\begin{array}{r} \frac{3x}{3} \quad \frac{9}{3} \\ \hline x = 3 \end{array}$$

10.) $6x - 2 = 16$

$$\begin{array}{r} +2 \quad +2 \\ \hline 6x = 18 \\ \frac{6x}{6} \quad \frac{18}{6} \quad x = 3 \end{array}$$

11.) $\frac{x}{2} = 12 \cdot 2$

$$\begin{array}{r} 2 \\ \hline x = 24 \end{array}$$

12.) $5x + 7 = -43$

$$\begin{array}{r} -7 \quad -7 \\ \hline 5x = -50 \\ \frac{5x}{5} \quad \frac{-50}{5} \quad x = -10 \end{array}$$

13.) $-15 + x = -5$

$$\begin{array}{r} +15 \quad +15 \\ \hline x = 10 \end{array}$$

14.) $6x - 10 = 26$

$$\begin{array}{r} +10 \quad +10 \\ \hline 6x = 36 \\ \frac{6x}{6} \quad \frac{36}{6} \quad x = 6 \end{array}$$

15.) $\frac{x}{4} = 24 \cdot 4$

$$\begin{array}{r} 4 \\ \hline x = 96 \end{array}$$

16.) $6x + 9 = 21$

$$\begin{array}{r} -9 \quad -9 \\ \hline 6x = 12 \\ \frac{6x}{6} \quad \frac{12}{6} \quad x = 2 \end{array}$$