

Résous Chaque Équation

Réponses

$$1.) 3x + 6 = 12 - 6$$

$$\begin{array}{r} 3x = 6 \\ 3 \quad 3 \end{array}$$

$$\boxed{x = 2}$$

$$2.) 25 - 3y = 10 - 25$$

$$\begin{array}{r} -3y = -15 \\ -3 \quad -3 \end{array}$$

$$\boxed{y = 5}$$

$$3.) 6(m-8) = -36$$

$$\begin{array}{r} 6m - 48 = -36 + 48 \\ +48 \end{array}$$

$$6m = 12$$

$$\begin{array}{r} 6 \quad 6 \\ \boxed{m = 2} \end{array}$$

$$4.) -54 = \frac{x}{3}$$

$$\boxed{-162 = x}$$

$$5.) \frac{a}{4} = \frac{24}{3}$$

$$\begin{array}{r} 3a = 8 \\ 3 \quad 3 \end{array}$$

$$\boxed{a = \frac{8}{3}}$$

$$6.) \frac{w}{6} - 10 = -1$$

$$\begin{array}{r} w - 60 = -6 + 60 \\ +60 \end{array}$$

$$\boxed{w = 54}$$

$$7.) \frac{b}{6} + 3 = 0$$

$$\begin{array}{r} b + 18 = 0 - 18 \\ -18 \end{array}$$

$$\boxed{b = -18}$$

$$8.) \frac{2x}{3} - \frac{14}{2} = \frac{3}{2}$$

$$\begin{array}{r} 2x - 5 = 15 + 5 \\ +5 \end{array}$$

$$\begin{array}{r} 2x = 20 \\ 2 \quad 2 \end{array} \quad \boxed{x = 10}$$

$$9.) 4(x-1) = 2(x+3)$$

$$4x - 4 = 2x + 6 + 4$$

$$\begin{array}{r} -2x + 4 - 2x \\ 2x = 10 \\ 2 \quad 2 \end{array}$$

$$\boxed{x = 5}$$

$$10.) 4(x-1) = 24$$

$$\begin{array}{r} 4x - 4 = 24 + 4 \\ +4 \end{array} \quad \boxed{x = 7}$$

$$4x = 28$$

$$\boxed{x = 7}$$

$$11.) 3(m+2) = 4(m-1)$$

$$\begin{array}{r} 3m+6 = 4m-4 \\ -3m+4 \quad -3m+4 \\ \hline -10 = m \end{array}$$

$$12.) 5y+3 = 4(y-2)$$

$$\begin{array}{r} 5y+3 = 4y-8-3 \\ -4y-3 \quad -4y \\ \hline y = -11 \end{array}$$

$$13.) \frac{(2n+6)}{7} = \frac{(n-5)}{2} \quad (4)(7)$$

$$\begin{array}{r} 4n+12 = 7n-35 \\ -4n+35 \quad -4n+35 \\ \hline 47 = 3n \\ \frac{47}{3} = \frac{3n}{3} \\ \hline 15.6 = n \end{array}$$

$$14.) 5(h+2) - 3(h+3) = 5(h-1)$$

$$\begin{array}{r} 5h+10-3h-9 = 5h-5 \\ 2h+1 = 5h-5 \\ -2h+5 \quad -2h+5 \\ \hline 6 = 3h \\ \frac{6}{3} = \frac{3h}{3} \\ \hline 2 = h \end{array}$$

$$15.) 30+h = 15+4h-h \quad (6.) 4x-5 = 2x+3+5$$

$$\begin{array}{r} -15-h \quad -15 \\ 15 = 3h \\ \frac{15}{3} = \frac{3h}{3} \\ \hline 5 = h \end{array}$$

$$\begin{array}{r} -2x+5 \quad -2x \\ 2x = 8 \\ \frac{2x}{2} = \frac{8}{2} \\ \hline x = 4 \end{array}$$