

Résous Chaque Équation

Réponses

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

$$\begin{array}{r} -6 \\ 3x = 6 \\ \frac{3}{3} \quad \frac{6}{3} \\ \boxed{x = 2} \end{array}$$

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

$$\begin{array}{r} -25 \\ -3y = -15 \\ \frac{-3}{-3} \quad \frac{-15}{-3} \\ \boxed{y = 5} \end{array}$$

3.) $6(m-8) = -36$
 $6m - 48 = -36 + 48$

$$\begin{array}{r} +48 \\ 6m = 12 \\ \frac{6}{6} \quad \frac{12}{6} \\ \boxed{m = 2} \end{array}$$

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

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

5.) $\frac{a}{4} = \frac{2}{3}$

$$\begin{array}{r} \frac{3a}{3} = \frac{8}{3} \\ \boxed{a = 0,125} \end{array}$$

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

$$\begin{array}{r} w - 60 = -6 + 60 \\ \frac{w}{6} + 60 \\ \boxed{w = 54} \end{array}$$

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

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

8.) $\frac{x}{5} - \frac{1}{2} = \frac{3}{2}$

$$\begin{array}{r} 2x - 5 = 15 + 5 \\ +5 \\ \frac{2x}{2} = \frac{20}{2} \quad \boxed{x = 10} \end{array}$$

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

$$\begin{array}{r} 4x - 4 = 2x + 6 + 4 \\ -2x + 4 \quad -2x \\ 2x = 10 \\ \frac{2}{2} \quad \frac{10}{2} \\ \boxed{x = 5} \end{array}$$

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

$$\begin{array}{r} \frac{4x-4}{3} = 24(3) \\ 4x - 4 = 72 + 4 \\ +4 \\ 4x = 76 \\ \frac{4}{4} \quad \frac{76}{4} \quad \boxed{x = 19} \end{array}$$

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

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

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

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

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

$$\begin{array}{r} 4n+12 = 7n-35 \\ -4n+35 \quad -4n+35 \\ \hline 47 = 3n \\ 3 \quad 3 \\ \hline 15,6 = n \end{array}$$

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

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

$$15.) 30+h = 15+4h-h \quad 16.) 4x-5 = 2x+3+5$$

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

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