

13) $-15 = -4m + 5$

$$-15 - 5 = -4m + 5 - 5$$

$$\frac{-20}{-4} = \frac{-4m}{-4}$$

$$m = 5$$

14) $10 - 6v = -104$

$$10 - 10 - 6v = -104 - 10$$

$$\frac{-6v}{-6} = \frac{-114}{-6}$$

15) $8n + 7 = 31 - 7$

$$\frac{8n}{8} = \frac{24}{8}$$

$$n = 3$$

$$-16 \left(\frac{n+5}{-16} \right) (-1) - 16$$

$$\begin{aligned} n+5 &= 16 \\ n+5-5 &= 16-5 \\ n &= 11 \end{aligned}$$

19) $-10 = 10(k-9)$

$$-10 = 10k - 90$$

16) $-9x - 13 = -103$

$$-9x - 13 + 13 = -103 + 13$$

$$\frac{-9x}{-9} = \frac{90}{-9}$$

$$x = 10$$

18) $-10 = -10 + 7m$

$$-10 + 10 = -10 + 7m + 10$$

$$\frac{0}{7} = 7m$$

20) $\frac{m}{9} - 1 = -2$

$$\frac{m}{9} = 1$$

$$\frac{m}{9} - 1 = -2$$

$$-10 + 90 = 10k - 90 + 90$$

$$\begin{aligned} 80 &= 10k \\ \frac{80}{10} &= \frac{10k}{10} \\ 8 &= k \end{aligned}$$

$$\frac{m}{9} - 1 = -2$$

$$\begin{aligned} \frac{m}{9} - 1 + 1 &= -2 + 1 \\ \frac{m}{9} &= -1 \\ 9 \left(\frac{m}{9} \right) &= (-1)9 \\ m &= -9 \end{aligned}$$

21) $9 + 9n = 9$

$$9 + 9n - 9 = 9 - 9$$

$$\frac{9n}{9} = \frac{0}{9}$$

$$n = 0$$

23) $8 + \frac{b}{-4} = 5$

$$8 + \frac{b}{-4} = 5$$

$$8 - 8 + \frac{b}{-4} = 5 - 8$$

$$-\cancel{8} \left(\frac{b}{\cancel{-4}} \right) = (3)^{-4}$$

$$b = +12$$

22) $7(9 + k) = 84$

$$63 + 7k = 84$$

$$63 - 63 + 7k = 84 - 63$$

$$7k = \frac{21}{7}$$

$$k = 3$$

-2-

$$-243 = 9(10 + x)$$

$$-243 = -90 - 9x$$

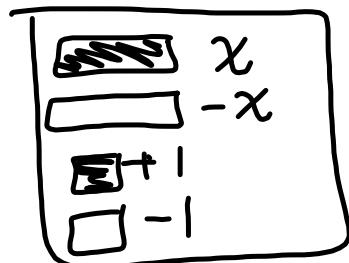
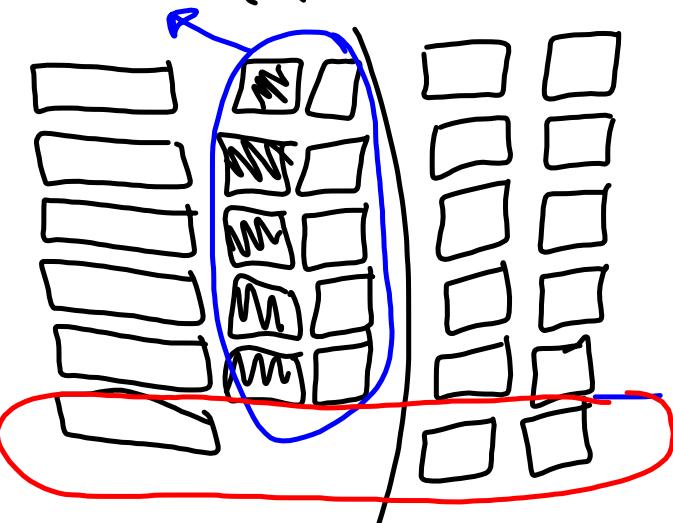
$$-243 + 90 = -90 + 90 - 9x$$

$$\frac{-153}{-9} = \frac{9x}{-9}$$

$$17 = x$$

p. 374 Chenelière 8

Q1 $-6t + 5 = -7$



Je divise par -1
pour enlever le négatif devant la variable.

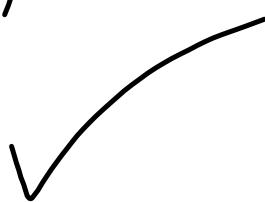
$$\begin{array}{c} -1x = -2 \\ \hline -1 \qquad -1 \\ x = 2 \end{array}$$

B) $-6s + 5 = -7$

$$-6(2) + 5 = -7$$

$$-12 + 5 = -7$$

$$-7 = -7$$



Les deux côtés sont égaux.

P.374

Q2.

$$-3x + 3 = -6$$

$$-3(3) + 3 = -6$$

$$-9 + 3 = -6$$

$$-6 = -6 \checkmark$$

$$4 \text{ a) } 5(x - 3) = 45$$

$$5x - 15 = 45$$

$$5x - 15 + 15 = 45 + 15$$

$$\begin{array}{rcl} 5x & = & 60 \\ \cancel{5} \quad & & \cancel{5} \\ x & = & 12 \end{array}$$

$$4b) \frac{n}{7} + 7 = 4$$
$$7\left(\frac{n}{7}\right) = (-3)7$$
$$n = -21$$

$$-\frac{9}{6} \left(\frac{P}{-6} \right) = (-7) - 6$$

$$P = 42$$

$$0) \quad 12x - 23 = 73$$

$$12x - 23 + 23 = 73 + 23$$

$$\frac{12x}{12} = \frac{96}{12}$$

$$x = 8$$

P. 371

Q 6, 10, 12