



## Exercises

1. Solve the following equations:

(a)  $x + 5 = 9$

(b)  $x + 11 = 12$

(c)  $7 + x = 9$

(d)  $x + 2 = 17$

(e)  $14 = x + 6$

(f)  $x - 2 = 10$

(g)  $x - 6 = 5$

(h)  $2 = x - 9$

(i)  $x + 3 = 0$

(j)  $x - 7 = 7$

(k)  $x + 12 = 7$

(l)  $x - 6 = -10$

2. Solve the following equations:

(a)  $2x = 12$

(b)  $3x = 18$

(c)  $5x = 20$

(d)  $7x = 21$

(e)  $36 = 9x$

(f)  $5x = 0$

(g)  $80 = 10x$

(h)  $\frac{x}{2} = 5$

(i)  $\frac{x}{3} = 6$

(j)  $9 = \frac{x}{4}$

(k)  $\frac{x}{2} = 22$

(l)  $\frac{x}{7} = 4$

(m)  $4x = 2$

(n)  $\frac{x}{2} = 6$

(o)  $\frac{x}{10} = 0$

3. Solve the following equations:

(a)  $x + 7 = 9$

(b)  $x - 6 = 8$

(c)  $3x = 33$

(d)  $\frac{x}{5} = 2$

(e)  $x + 2 = 13$

(f)  $5x = 35$

(g)  $4 + x = 15$

(h)  $7 = y - 9$

(i)  $42 = 6p$

(j)  $90 = \frac{q}{9}$

(k)  $5r = -10$

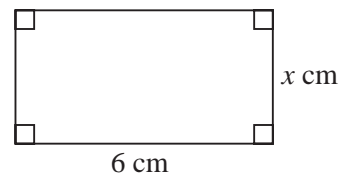
(l)  $-4 = \frac{s}{8}$

4. The area of the rectangle shown is  $18 \text{ cm}^2$ .

(a) Write down an equation involving  $x$ .

(b) Solve your equation.

(c) Write down the width of the rectangle.



5. The perimeter of the triangle shown is  $17 \text{ cm}$ .

(a) Write down an equation and solve it for  $x$ .

(b) Write down the length of the side marked  $x$ .

