1 Solve $5x - 6 = 3(x - 1)$

$x =$ ....

(Total for Question 1 is 3 marks)

1 Solve $5x - 6 = 3(x - 1)$

2 Solve $\dfrac{3x - 2}{4} - \dfrac{2x + 5}{3} = \dfrac{1 - x}{6}$

$x =$ ....

(Total for Question 2 is 4 marks)

2 Solve $\dfrac{3x - 2}{4} - \dfrac{2x + 5}{3} = \dfrac{1 - x}{6}$

3 Solve $\dfrac{5-x}{2} = 2x - 7$

$x =$ ....

(Total for Question 3 is 3 marks)

3 Solve $\dfrac{5-x}{2} = 2x - 7$

4 (a) Solve $\dfrac{9 + x}{7} = 11 - x$

$x = $ ....

(3)

(b) Simplify $\dfrac{4(y + 3)^3}{(y + 3)^2}$

....

(1)

(Total for Question 4 is 4 marks)

5   Here is a rectangle.

$$y$$

$$2x + 6 \qquad\qquad 5x - 9$$
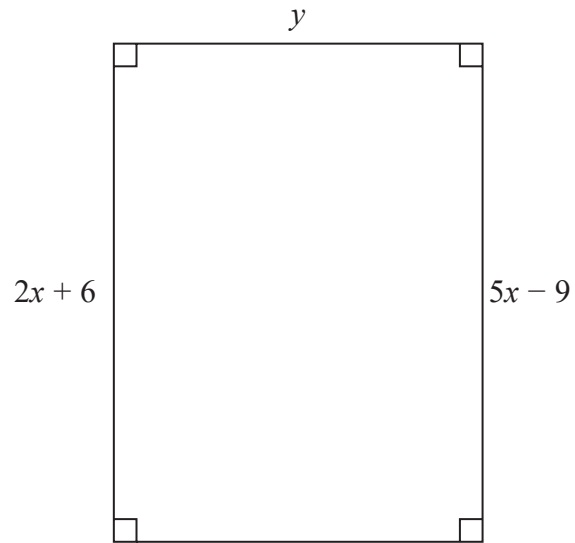
All measurements are in centimetres.

The area of the rectangle is 48 cm^2.

Show that $y = 3$

(Total for Question 5 is 4 marks)