



Expand and simplify

$$(3y - 2)(2y + 3)$$

$$6y^2 + 9y - 4y - 6$$

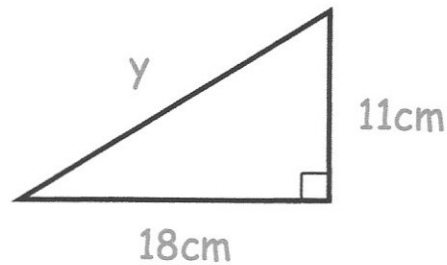
$$6y^2 + 5y - 6$$

Find y

$$y^2 = 11^2 + 18^2$$

$$y^2 = 445$$

$$y = 21.095 \text{ cm}$$



Jenson drove 45 miles from Ipswich to Norwich.

1 hour 20 mins

He left at 17:35 and arrived at 18:55

$1\frac{1}{3}$ hours

Work out his average speed

$$45 \div 1\frac{1}{3} = 33.75 \text{ mph}$$

Simplify

$$\frac{\pi}{12} \div \frac{\pi}{3}$$

$$\frac{\pi}{12} \times \frac{3}{\pi}$$

$$\frac{1}{4}$$

Find the perimeter of the sector.

$$\frac{45}{360} \times \pi \times 20 = 7.85398$$

$$27.85 \text{ cm}$$

