



What is the sum of the interior angles of an octagon?

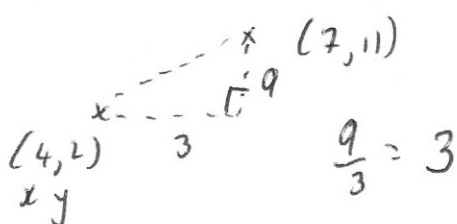
$$180 \times (8-2)$$

$$1080^\circ$$

What is the size of each interior angle of a regular octagon?

$$1080 \div 8 = 135^\circ$$

Calculate the gradient of the straight line passing through (4, 2) and (7, 11).



Write down the equation of the line.

$$y = 3x + c$$

$$2 = 12 + c$$

$$c = -10$$

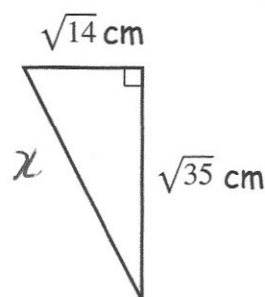
$$y = 3x - 10$$

Find the length of the missing side.

$$(\sqrt{14})^2 + (\sqrt{35})^2 = x^2$$

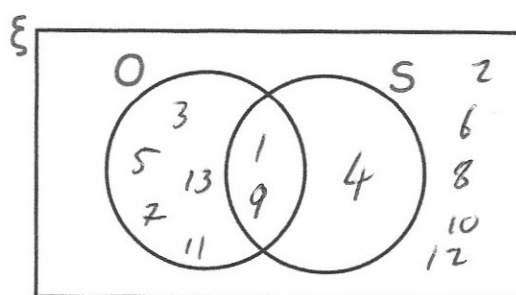
$$14 + 35 = x^2$$

$$x^2 = 49 \quad x = 7 \text{ cm}$$



$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\}$
 $O = \{\text{odd numbers}\} \quad 1 \ 3 \ 5 \ 7 \ 9 \ 11 \ 13$
 $S = \{\text{square numbers}\} \quad 1 \ 4 \ 9$

Draw a Venn diagram for this information.



Write down $P(O \cap S)$

$$\frac{2}{13}$$

Write down $P(O \cup S')$

$$\frac{12}{13}$$