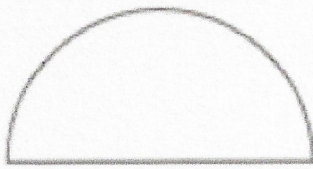


30th June



Corbettmaths



12cm

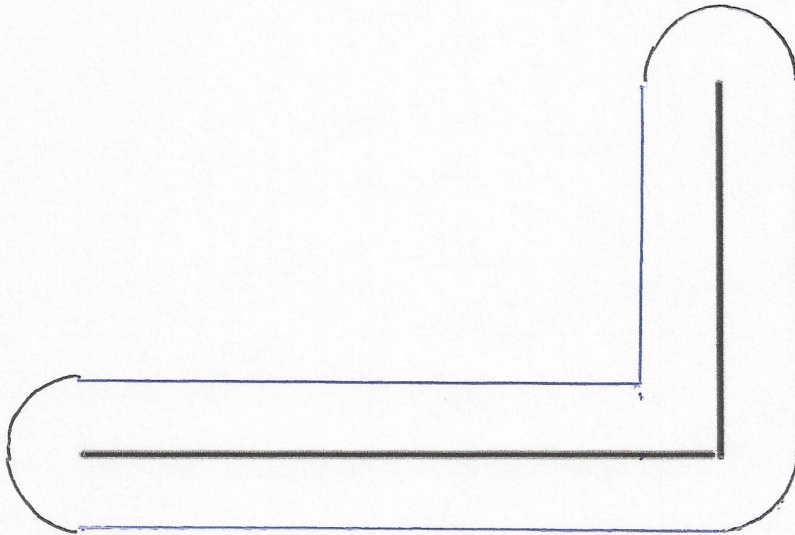
Calculate the area of this semi-circle.

Leave your answer in terms of π

$$\frac{1}{2}(\pi \times 6^2) = \frac{1}{2}(36\pi)$$

$$= 18\pi \text{ cm}^2$$

Draw the locus of all points 1cm from the shape below.



Solve

$$\frac{7c + 4}{8} = 11$$

$$7c + 4 = 88$$

$$7c = 84$$

$$c = 12$$

Evaluate

$$4^{-2}$$

$$\frac{1}{4^2} = \frac{1}{16}$$