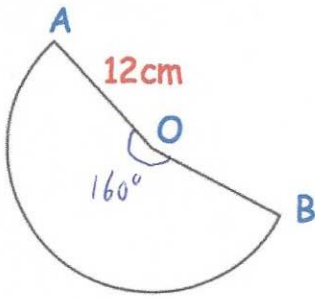


7th February



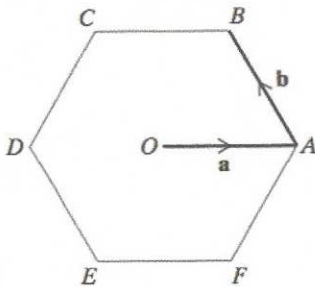
Corbettmaths



Angle AOB is  $160^\circ$ .  
Calculate the area of the sector shown.

$$\frac{160}{360} \times \pi \times 12^2$$

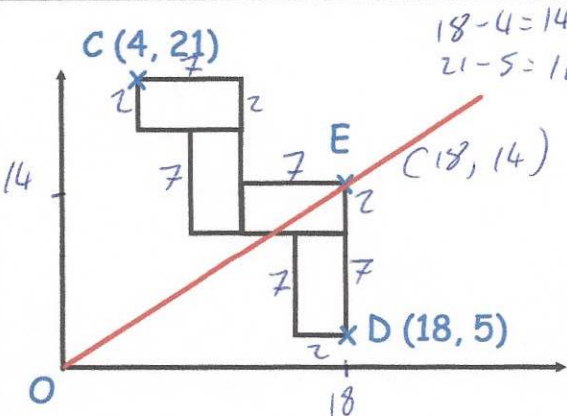
$$= 201.06 \text{ cm}^2$$



Shown is a regular hexagon.

Write down the vector AC.

$$\underline{b} - \underline{a}$$



Find the area of each rectangle

$$7 \times 2 = 14 \text{ units}^2$$

Shown are four identical rectangles.

Find the equation of the line passing through O and E.

$$y = \frac{7}{9}x$$

$$\frac{\text{rise}}{\text{run}} = \frac{14}{18}$$

Make  $m$  the subject of

$$x = 4\pi m + am$$

$$x = m(4\pi + a)$$

$$\frac{x}{4\pi + a} = m$$

$$m = \frac{x}{4\pi + a}$$