

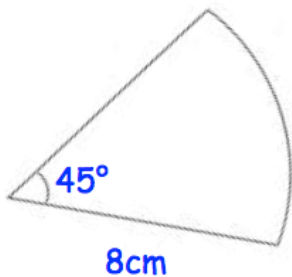
2nd February



Corbettmaths

Solve $3x^2 = 192$

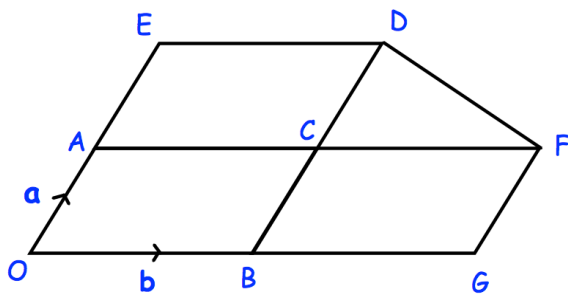
Find the perimeter of the sector.



Solve these simultaneous equations

$$3x - 4y = 18$$

$$2x - 5y = 19$$



B is the midpoint of OG .
 A is the midpoint of OE .

$$\vec{OA} = \mathbf{a} \quad \text{and} \quad \vec{OB} = \mathbf{b}$$

Express in terms of \mathbf{a} and \mathbf{b} , the vector
$$\vec{OC}$$
Express in terms of \mathbf{a} and \mathbf{b} , the vector
$$\vec{OE}$$