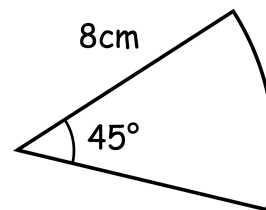




Solve

$$3x^2 = 192$$

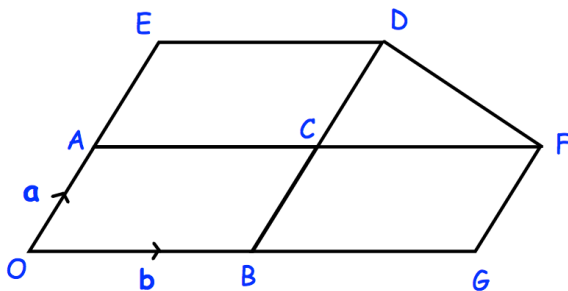
Find the perimeter of the sector.



Solve the 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
$$\vec{OF}$$