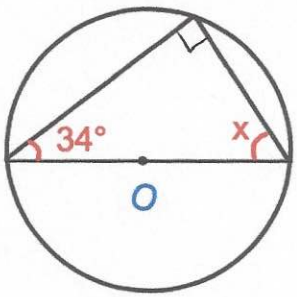
31st December

Corbettmaths

Simplify $\sqrt{6} \times \sqrt{10}$

$\sqrt{60} = \sqrt{4} \times \sqrt{15}$

$= 2\sqrt{15}$



Find x

56°

Simplify

$$\frac{x^2 - 2x - 8}{3x^2 + 7x + 2}$$

$$\frac{(x-4)(x+2)}{(3x+1)(x+2)}$$

$$\frac{x-4}{3x+1}$$

Solve, giving your answers to one decimal place.

$x^2 + 5x + 1 = 0$

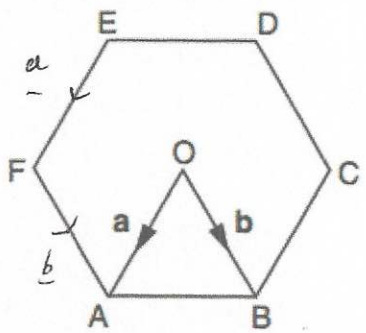
$a = 1$
$b = 5$
$c = 1$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\frac{-5 \pm \sqrt{25 - (4 \times 1 \times 1)}}{2 \times 1}$$

$$\frac{-5 \pm \sqrt{21}}{2}$$

$x = -0.2$ or $x = -4.8$



Find in terms of **a** and **b**

$\vec{AB} = -\underline{a} + \underline{b}$ or $\underline{b} - \underline{a}$

$\vec{EA} = \underline{a} + \underline{b}$