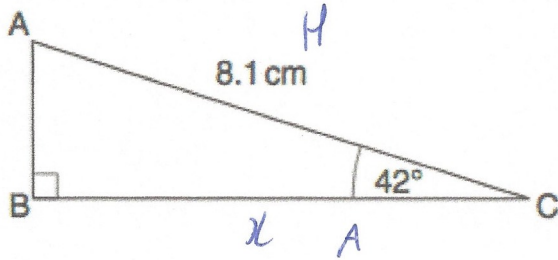


23rd March

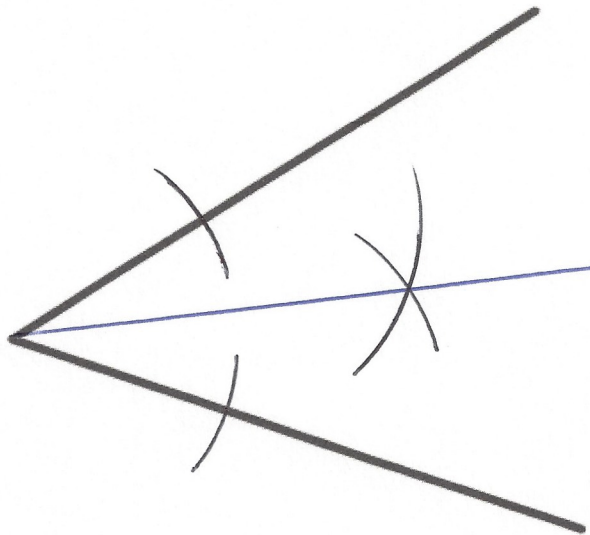


Corbettmaths

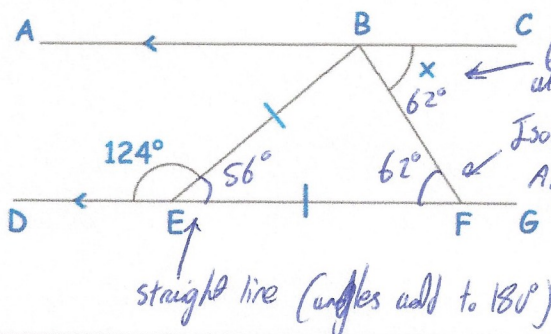


Find BC.

CAH
 $\cos(42) \times 8.1$
 6.019 cm



Construct the angle bisector.



Find the size of the angle x.
 Give reasons for your answer.

62° alternate angles are equal.
 Isosceles triangle
 Angle EBF = EFB

62°

straight line (angles add to 180°)

Solve the simultaneous equations

$$\begin{array}{r} 3x + 2y = 1 \quad \times 3 \quad 9x + 6y = 3 \\ 2x + 3y = 9 \quad \times 2 \quad 4x + 6y = 18 \\ \hline 5x = -15 \\ x = -3 \end{array}$$

$$\begin{array}{r} -9 + 2y = 1 \\ 2y = 10 \\ y = 5 \end{array}$$

$x = -3$ & $y = 5$