Name: _____ 5-a-day Higher

29th February

Corbettmaths

Write 0.55555... as a fraction

$x = 0.5555...$

$10x = 5.5555...$

$9x = 5$

$x = 5/9$

Simplify

$\sqrt{11} \times \sqrt{6}$ $\sqrt{66}$

Simplify

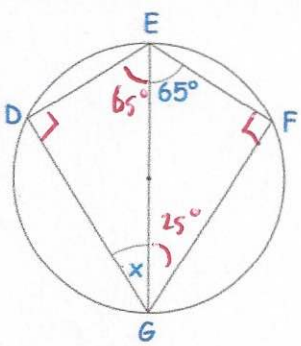
$(\sqrt{7})^2$ $\sqrt{7} \times \sqrt{7} = \sqrt{49} = 7$

Write down the exact value of

$4\sin 30$ $4 \times \frac{1}{2} = 2$

Write down the exact value of

$10\sin 60$ $10 \times \frac{\sqrt{3}}{2} = 5\sqrt{3}$



EG is a diameter.
DEFG is a kite.
Work out the value of x.

$x = 25^\circ$

The points A(–2, –5) and C(13, 15) are points on the straight line ABC.

AB:BC = 3:2.

Work out the coordinates of B

(7, 7)