

9th November

Corbettmaths

Work out the value of $(2^{\frac{9}{2}} - 2^{\frac{1}{2}})^2$

Simplify this ratio fully

$$\sqrt{45} : \sqrt{320} : \sqrt{405}$$

AB is a diameter of a circle C.
Q is the centre of the circle

A has coordinates $(-6, 13)$ and B has
coordinates $(8, 7)$.

Find the equation of C

Solve $6\sin^2\theta + 7\cos\theta - 8 = 0$ for
 $0^\circ \leq \theta \leq 360^\circ$