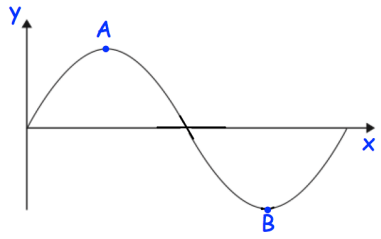
Name: _____ 5-a-day Higher Plus

18th December

Corbettmaths



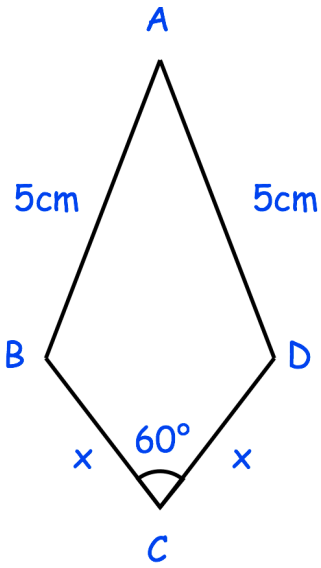
Shown is the curve
y = 3sin x

Write down the coordinates of A and B

$x^2 < 16$ and $x + 4y = 10$

Work out the range of possible values of y.

Shown is kite ABCD



Prove

$$CosBAD = 1 - \frac{x^2}{50}$$

Solve

$$\frac{81^{2-x}}{27^{2x+3}} = 3$$