Name: _____ 5-a-day Further Maths

9th July

Corbettmaths

$y = \frac{x^{10}}{2} + \frac{x^9}{3}$

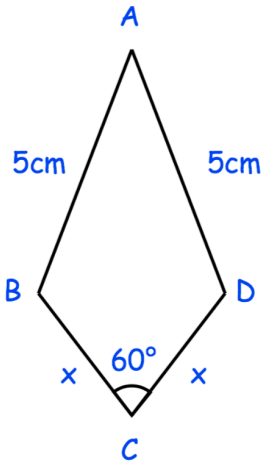
Work out $\frac{dy}{dx}$

Simplify your answer

Solve $cos^2 x = \frac{1}{9}$ for

$0^\circ \leq x \leq 360^\circ$

Shown below is a kite, ABCD.



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

Solve

$\sqrt{x} - \frac{24}{\sqrt{x}} = 5$

where x is positive

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