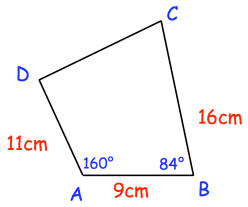
Name: _____ 5-a-day Higher Plus

26th May

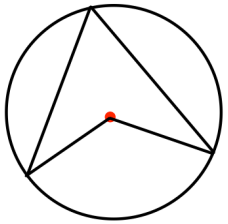
Corbettmaths

Write $x^2 + 4x + 9$ in the form $(x + a)^2 + b$

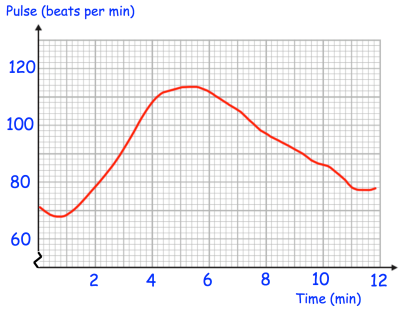
Find the coordinates of the turning point of $y = x^2 + 4x + 9$



Calculate the length CD.



Prove that the angle at the centre is twice the angle at the circumference.



Work out the rate at which the pulse is increasing at three minutes.
Include units.

Work out the rate at which the pulse is decreasing at eight minutes.
Include units.

Name: _____ 5-a-day Higher Plus

26th May

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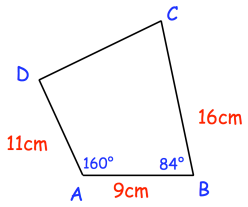
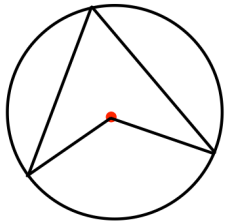
Find the coordinates of the turning point of $y = x^2 + 4x + 9$



Calculate the length CD.



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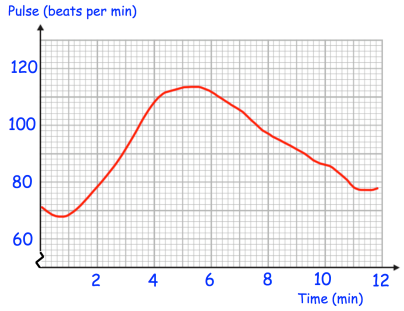

Work out the rate at which the pulse is increasing at three minutes.
Include units.

Work out the rate at which the pulse is decreasing at eight minutes.
Include units.

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