

- ① Given that $\frac{2 + \sqrt{20}}{7 + \sqrt{5}} = \frac{a + b\sqrt{5}}{c}$, and that c is a prime number. Find the values of a, b and c .

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Calculations and Answer

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(4)

- ② Find the coordinates of the turning point of the curve with equation $y = 16x - 7 - 4x^2$.

You must show all your working.

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Calculations and Answer

(4)

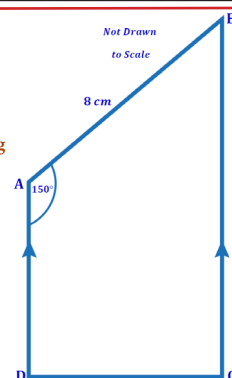
- ③ The area of the trapezium ABCD is 70 cm^2 . The length of AB is 8 cm
the length AD : the length BC = 2:5

Find the length AD

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Calculations and Answer



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(5)