

WE DO

Work out the length of AC .
Give your answer to 3 significant figures.

The diagram shows triangle PQR .

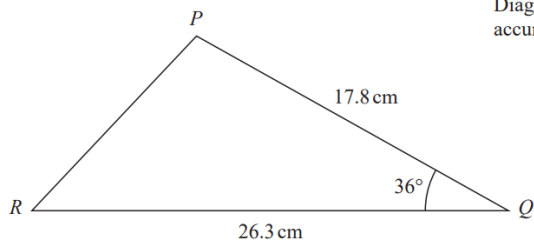


Diagram NOT
accurately drawn

YOU DO

Calculate the length of PR .
Give your answer correct to 3 significant figures.

Factorise $2x^2 + 5x + 2$

WE DO

Factorise $2x^2 - 7x + 6$

YOU DO

Prove algebraically that the recurring decimal

$0.\dot{7}\dot{8}$ can be written as $\frac{26}{33}$

WE DO

Use algebra to show that the recurring decimal $0.2\dot{5}\dot{4} = \frac{14}{55}$

YOU DO

Here are the first five terms of an arithmetic sequence.

7 10 13 16 19

Find the sum of the first 100 terms of this sequence.

WE DO

Here are the first five terms of an arithmetic sequence.

3 7 11 15 19

Find the sum of the first 30 terms of the sequence.

YOU DO