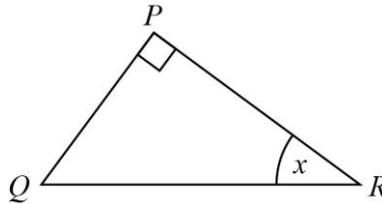NAME

**Time:**

**Calculator Questions**

**6th**

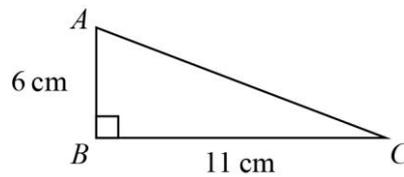**1**    Here is triangle *PQR* with angle *x* marked.



Label the three sides either *opposite* or *adjacent* or *hypotenuse*.
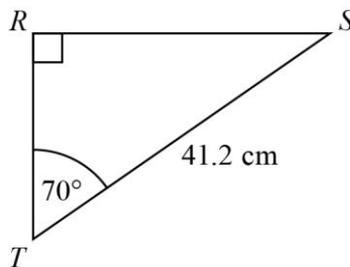
**(1 mark)**

**7th**

**3**    Calculate the length of *AC*.

Give your answer correct to 1 decimal place.



**(2 marks)**
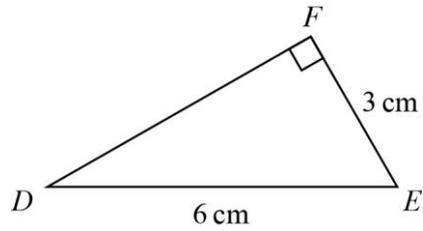
**8th**

**5**    Calculate the length of *RT*.

Give your answer correct to 3 significant figures.
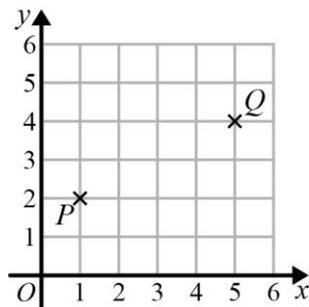


**(2 marks)**

1

**7** Calculate the length of *DF*.

Give your answer correct to 1 decimal place.



**(2 marks)**

**9** A ship sails from point *P* to point *Q* as seen on the kilometre square grid.

Calculate the distance it sails.

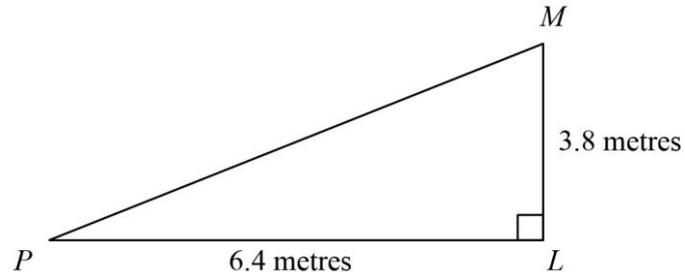Give your answer correct to 3 significant figures.



**(4 marks)**

**11** A wall *ML* is 6.4 metres from point *P*.

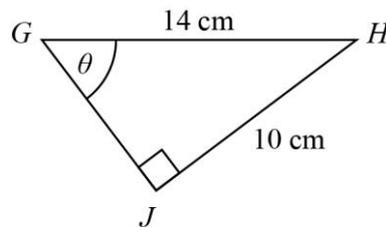Work out the angle of elevation of the top of the wall from point *P*.
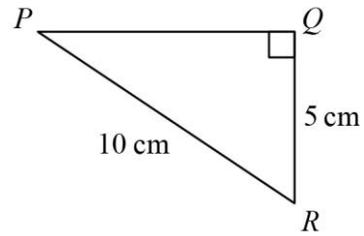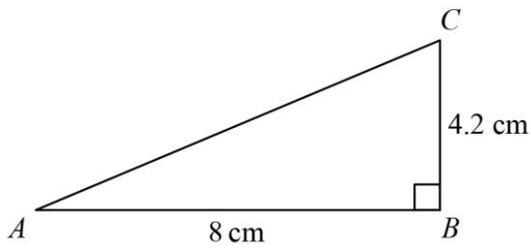


**(3 marks)**

**13** Calculate the size of θ.

Give your answer correct to the nearest degree.



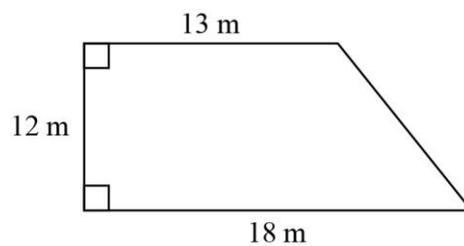**(2 marks)**

**15** Here are two triangles.



Are the three angles in triangle *ABC* the same size as the three angles in triangle *PQR*?

You must show all your working.

**(4 marks)**

**17** The diagram shows a field in the shape of a trapezium.



Jess wants to put a fence around the field.

Fencing costs £72.38 per metre.

Work out the total cost of the fencing.

**(5 marks)**

| Overall mark | /25 |
|---|---|