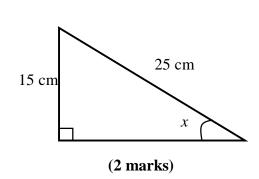
Year 10 Mathematics Worksheet 7

Write the answers in your Exercise Book.

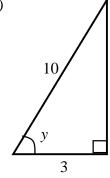
Geometry

1. Find the size of unknown angles in the triangles given below.

(a)

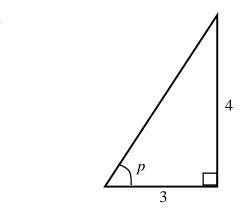


(b)



(2 marks)

(c)



(2 marks)

- 2. A ladder is leaning against a wall. If the foot of the ladder is 3 m from the base of the wall and is at an angle of elevation of 58°, find:
 - (a) how far up the ladder extends.

(2 marks)

(b) the length of the ladder.

(2 marks)

3. A sailing boat is 100 m from the base of a vertical cliff. If the angle of elevation to the top of the cliff is 30°, find the height of the cliff. (2

(2 marks)