Practice worksheet | Practical trigonometry

Pythagoras

Name: _____ Date: _____

6 questions | 14 marks

1. Find the hypotenuse of a right triangle with legs 5 cm and 12 cm. [2 marks]

2. A right triangle has hypotenuse 13 m and one leg 5 m. Find the other leg. [2 marks]

3. Find the diagonal of a square with side 6 cm. Give an exact answer and then one decimal place. [3 marks]

4. A rectangular field is 9 m by 12 m. How far is it between opposite corners? [2 marks]

5. A 15 m cable reaches from the top of a vertical post to the ground 9 m away. Find the post’s height. [2 marks]

6. A student finds a missing leg in a triangle with hypotenuse 10 and other leg 6 by calculating $\sqrt{100+36}$. Explain and correct the error. [3 marks]