Practice worksheet | Pythagoras and Trigonometry

Exact/rounded missing lengths

Name: _____ Date: _____

6 questions | 15 marks

1. Find the hypotenuse with legs 4 cm and 6 cm, exactly and to two decimal places. [3 marks]

2. Legs are 9 m and 12 m. Is 15 m an exact hypotenuse? Explain. [2 marks]

3. Find the missing leg with hypotenuse 10 cm and other leg 6 cm. [2 marks]

4. Find the missing leg with hypotenuse 15 m and other leg 10 m, exactly and to two decimal places. [3 marks]

5. Legs are 4.3 m and 6.8 m. Find the hypotenuse to two decimal places. [3 marks]

6. A 2 m by 3 m rectangle has diagonal $\sqrt{13}$ m. Why is 3.61 m only approximate? [2 marks]