Practice worksheet | Pythagoras' theorem

Finding a shorter side

Name: _____ Date: _____

6 questions | 14 marks

1. Hypotenuse 17 cm, one leg 8 cm: find the other. [2 marks]

2. Hypotenuse 25 m, one leg 7 m: find the other. [2 marks]

3. Hypotenuse 15 cm, one leg 12 cm: find the other. [2 marks]

4. Hypotenuse 5 m, one leg 300 cm: find the other in metres. [3 marks]

5. Hypotenuse 1.3 m, one leg 0.5 m: find the other. [2 marks]

6. A student writes $x^2 = 6^2 - 10^2$ when the hypotenuse is 10 cm and the known leg is 6 cm. Correct the setup and answer. [3 marks]