Practice worksheet | Pythagoras and Trigonometry

Finding an angle

Name: _____ Date: _____

6 questions | 13 marks

1. Find θ if o = 5 cm and h = 13 cm. Give two decimal places. [2 marks]

2. Find θ if a = 12 cm and h = 13 cm. Give two decimal places. [2 marks]

3. Find θ if o = 15 m and a = 8 m. Give two decimal places. [2 marks]

4. An acute angle has sine 0.8. Find it to two decimal places. [2 marks]

5. For hypotenuse 13 and opposite 5, a student enters $\sin^{-1}(13/5)$. Explain the error and correct it. [3 marks]

6. One acute angle in a right triangle is 34.7°. Find the other. [2 marks]