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 $\sin^{-1}\left(\frac{13}{5}\right)$. Explain the error and correct it. [3 marks]

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