Practice worksheet | Pythagoras and Trigonometry

Sine, cosine and tangent

Name: _____ Date: _____

6 questions | 13 marks

1. Opposite $=6$, adjacent $=8$, hypotenuse $=10$. Find $\sin\theta$. [2 marks]

2. Using opposite $=6$, adjacent $=8$, hypotenuse $=10$, find $\cos\theta$. [2 marks]

3. Using opposite $=6$, adjacent $=8$, hypotenuse $=10$, find $\tan\theta$. [2 marks]

4. Evaluate $\tan 32.5^\circ$ to four decimal places. [2 marks]

5. Evaluate $\cos 60^\circ$. [2 marks]

6. A student gives $\sin\theta = 1.4$ for an acute angle. Explain why this cannot be right. [3 marks]