Practice worksheet | Pythagoras and Trigonometry

Exact values from special triangles

Name: _____ Date: _____

6 questions | 13 marks

1. Find $\sin 30^\circ$ exactly. [2 marks]

2. Find $\cos 45^\circ$ exactly. [2 marks]

3. Find $\tan 30^\circ$ exactly. [2 marks]

4. A right triangle has hypotenuse 10 cm and an angle of 45°. Find the opposite leg exactly. [3 marks]

5. Evaluate $2\cos 60^\circ + \sin 30^\circ$ exactly. [2 marks]

6. Are $\sin 60^\circ$ and $\tan 60^\circ$ equal? Give exact values to justify. [2 marks]