Practice worksheet | Pythagoras and Trigonometry

Sine rule

Name: _____ Date: _____

6 questions | 16 marks

1. $A = 30^\circ$, $a = 6$ cm and $B = 45^\circ$. Find b exactly. [3 marks]

2. $A = 50^\circ$, $a = 12$ cm and $B = 70^\circ$. Find b to 0.1 cm. [2 marks]

3. $B = 40^\circ$, $b = 9$ cm and $A = 55^\circ$. Find a to 0.1 cm. [2 marks]

4. $A = 35^\circ$, $a = 7$ cm and $b = 9$ cm. Find all possible B to 0.1°. [3 marks]

5. Can $A = 40^\circ$, $a = 5$ cm and $b = 12$ cm form a triangle? Explain. [3 marks]

6. $A = 70^\circ$, $B = 60^\circ$ and $a = 10$ m. Find C and c to 0.1 m. [3 marks]