Practice worksheet | Trigonometry

Non-right-triangle area

Name: _____ Date: _____

6 questions | 18 marks

1. Find area from sides 7 cm,10 cm and included angle 30°. [3 marks]

2. Find area from sides 6 cm,8 cm and included angle 60° exactly. [3 marks]

3. Find exact area for sides 9 m,14 m and included angle 45°. [3 marks]

4. Sides 4 cm and 10 cm enclose an obtuse angle. Area is 10 cm². Find the angle. [3 marks]

5. A sail has sides 3.5 m and 4 m meeting at 75°. Find area to two decimal places. [3 marks]

6. Can sides 6 cm and 8 cm enclose area 25 cm²? Explain. [3 marks]