

Name: _____

Date: _____

Block: _____

Area of Oblique Triangles - Worksheet

Directions: Calculate the area of each triangle.

1. $C = 110^\circ$, $a = 6$, $b = 10$

7. $a = 12$, $b = 24$, $c = 18$

2. $B = 130^\circ$, $a = 92$, $c = 30$

8. $a = 25$, $b = 35$, $c = 32$

3. $A = 38^\circ 45'$, $b = 67$, $c = 85$

9. $a = 5$, $b = 8$, $c = 10$

4. $A = 5^\circ 15'$, $b = 4.5$, $c = 22$

10. $a = 14$, $b = 17$, $c = 7$

5. $B = 75^\circ 15'$, $a = 103$, $c = 58$

11. $a = 1.24$, $b = 2.45$, $c = 1.25$

6. $C = 85^\circ 45'$, $a = 16$, $b = 20$

12. $a = 2.4$, $b = 2.75$, $c = 2.25$

13. A parking lot has the shape of a parallelogram. The length of two adjacent sides are 70 meters and 100 meters. The angle between them is 70° . What is the area of the parking lot?

14. A triangular park of land has two sides that are 45 feet long and the angle between them is 80° . What is the area of this park?

15. A homeowner has a property in the shape of an irregular quadrilateral labeled ABCD. Side AB is 70 feet, side BC is 50 feet, and side CD is 100 feet. Angle B is 119° and angle C is 78° . Find the area of this property.