Name _____ Date _____

Using Sine and Cosine - Independent Practice Worksheet

Complete all the problems.

1. Use the Law of sine and the Law of cosine to find the missing sides and angles of each triangle.

BC = 14, A = 40°, and B = 22°

2. Use the Law of sine and the Law of cosine to find the missing sides and angles of each triangle.

BC = 18, A = 35°, and B = 20°

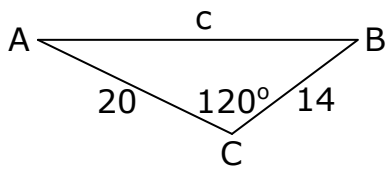
3. Use the law of sine and the Law of cosine to find the missing sides and angles of each triangle.

BC = 20, A = 55°, and B = 30°

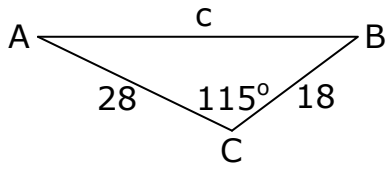
4. Use the Law of sine and the Law of cosine to find the missing sides and angles of each triangle.

BC = 15, A = 70°, and B = 45°

5. For ΔABC find the length of c given a = 14, b = 20, ∠c = 120°

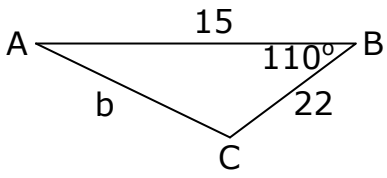


6. For ΔABC find the length of c given a = 18, b = 28, ∠c = 115°

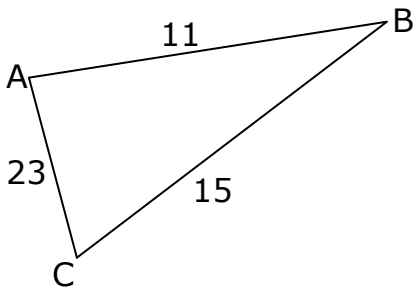


Name _____ Date _____

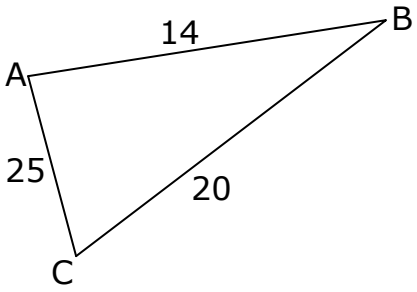
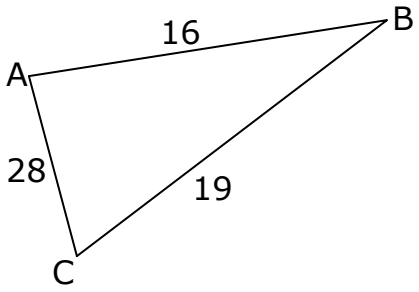
7. For ΔABC find the length of b given a = 22, ∠b = 110°, c = 15



8. Find m∠A.



9. Find m∠A.



10. Find m∠A.