

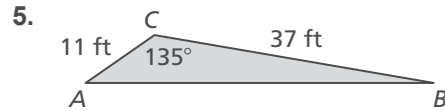
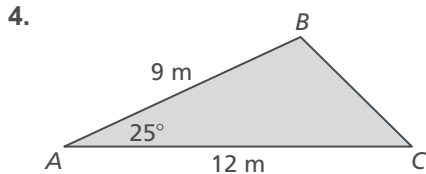
9.3

Practice A

In Exercises 1–3, evaluate the trigonometric function using a calculator. Round your answer to four decimal places.

1. $\cos 115^\circ$ 2. $\tan 95^\circ$ 3. $\sin 148^\circ$

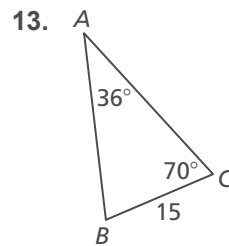
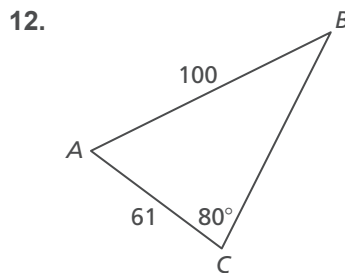
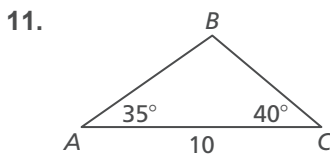
In Exercises 4 and 5, find the area of the triangle. Round your answer to the nearest tenth.



In Exercises 6–10, state the case (AAS, ASA, or SSA) applicable to the given measurements. Then decide whether the measurements determine *one triangle*, *two triangles*, or *no triangle*.

6. $A = 52^\circ, a = 31, b = 18$
 7. $A = 32^\circ, B = 95^\circ, a = 26$
 8. $C = 103^\circ, a = 21, c = 16$
 9. $B = 37^\circ, b = 10, c = 12$
 10. $A = 43^\circ, B = 35^\circ, c = 15$

In Exercises 11–13, solve the triangle. Round decimal answers to the nearest tenth.



14. You are standing at a swing in a park looking at a slide. When you turn 123° clockwise, you see the slide. The swing and the slide are 19 feet apart. The slide and the water fountain are 27 feet apart. Estimate the distance from the swing to the water fountain.