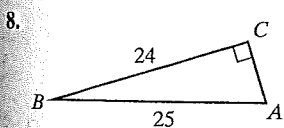
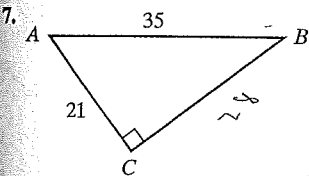
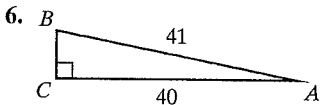
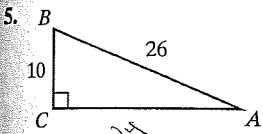
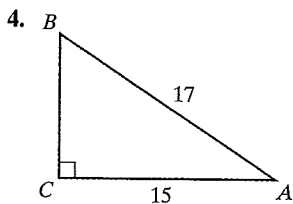
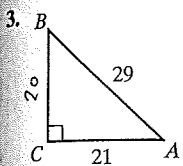
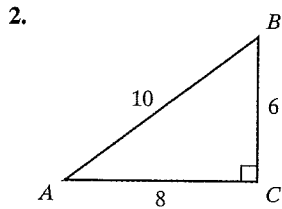
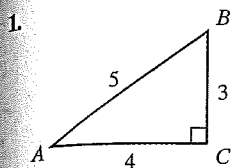


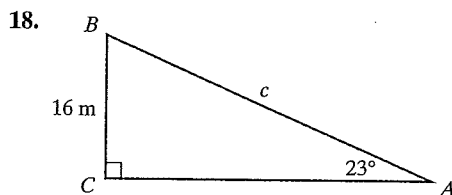
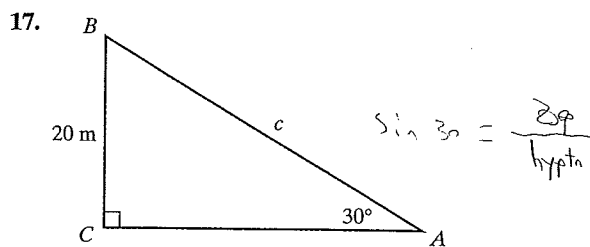
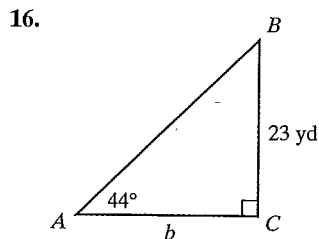
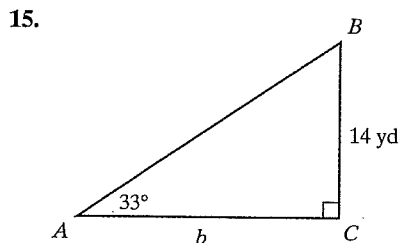
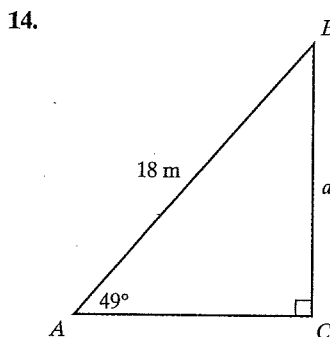
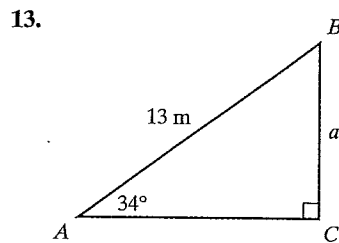
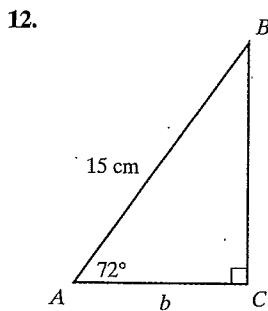
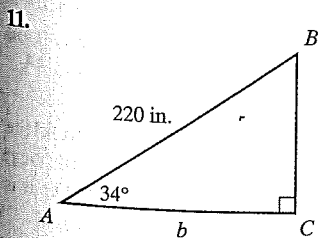
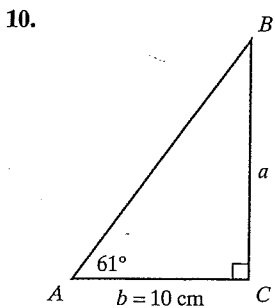
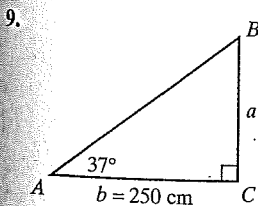
EXERCISE SET 10.6 ●●●●●●●●

• Practice Exercises

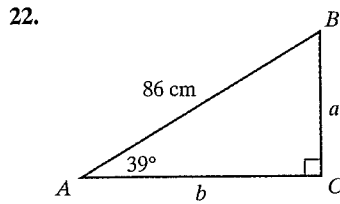
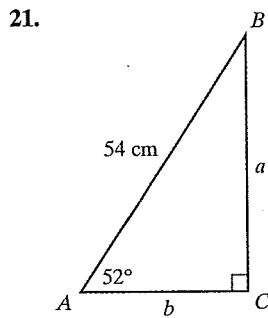
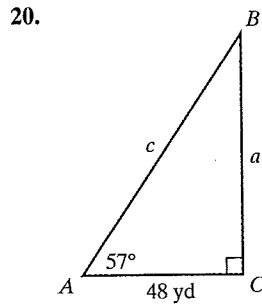
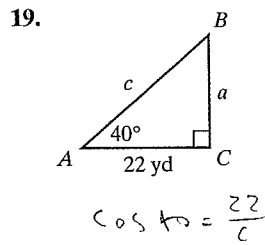
In Exercises 1–8, use the given right triangles to find ratios, in reduced form, for $\sin A$, $\cos A$, and $\tan A$.



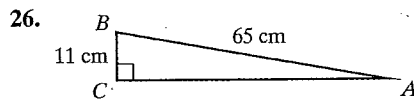
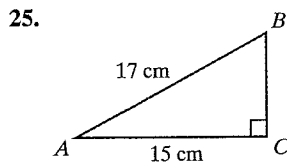
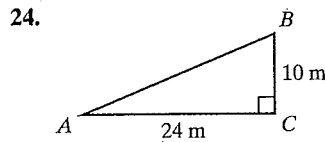
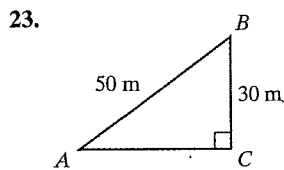
In Exercises 9–18, find the measure of the side of the right triangle whose length is designated by a lowercase letter. Round answers to the nearest whole number.



In Exercises 19–22, find the measures of the parts of the right triangle that are not given. Round all answers to the nearest whole number.

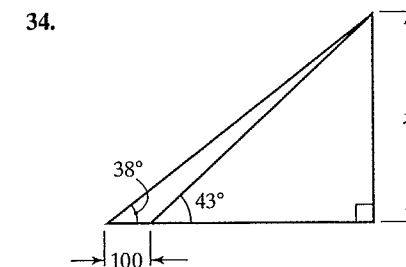
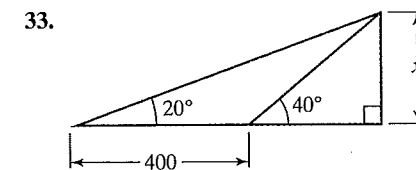
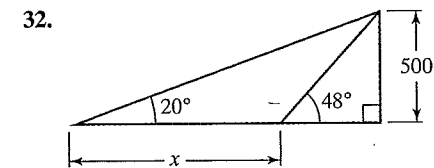
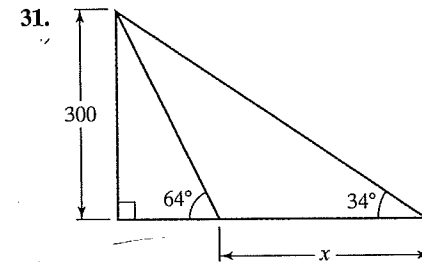
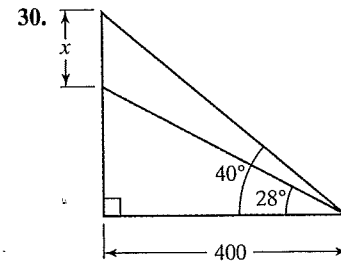
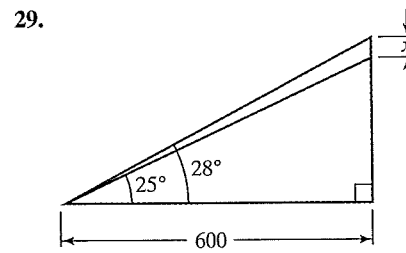
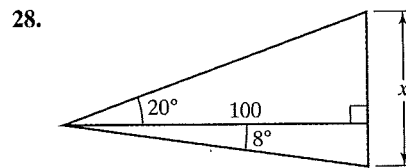
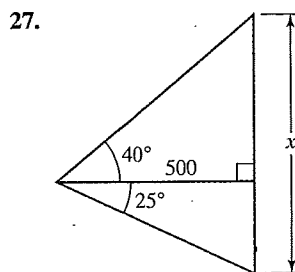


In Exercises 23–26, use the inverse trigonometric keys on a calculator to find the measure of angle A, rounded to the nearest whole degree.



• Practice Plus

In Exercises 27–34, find the length x to the nearest whole number.



• Application Exercises

35. To find the distance across a lake, a surveyor took the measurements in the figure shown at the top of the next page. Use these measurements to determine how far it is across the lake. Round to the nearest yard.