

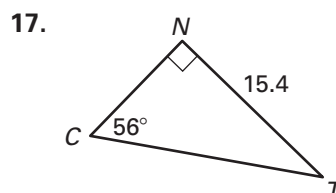
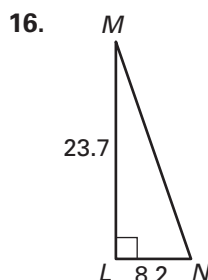
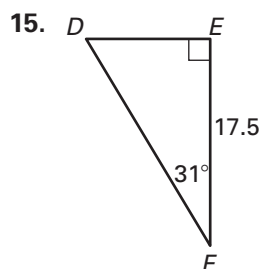
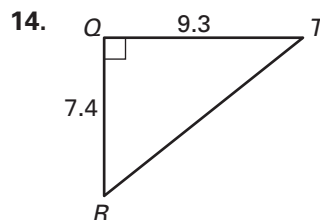
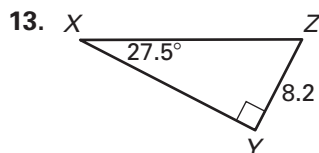
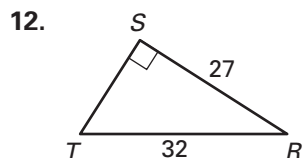
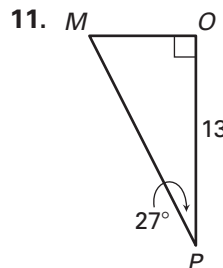
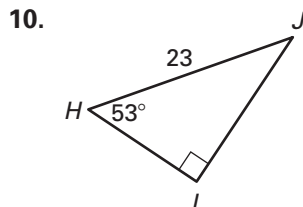
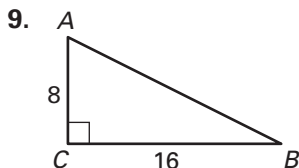
Practice C

For use with pages 567–572

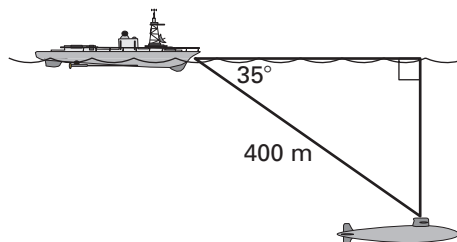
In Exercises 1–8, $\angle A$ is an acute angle. Use a calculator to approximate the measure of $\angle A$. Round to one decimal place.

- | | | | |
|--------------------|--------------------|--------------------|--------------------|
| 1. $\sin A = 0.85$ | 2. $\tan A = 2.13$ | 3. $\cos A = 0.87$ | 4. $\sin A = 0.06$ |
| 5. $\cos A = 0.15$ | 6. $\tan A = 1.05$ | 7. $\sin A = 0.42$ | 8. $\tan A = 0.84$ |

Solve the right triangle. Round decimals to the nearest tenth.



18. **Submarine** A sonar operator on a ship detects a submarine at a distance of 400 meters and an angle of depression of 35° . How deep is the submarine?



19. **Height of a Building** Two buildings are 60 feet apart across a street. A person on top of the shorter building finds the angle of elevation of the roof of the taller building to be 20° and the angle of depression of its base to be 35° . How tall is the taller building to the nearest foot?

