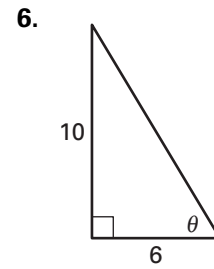
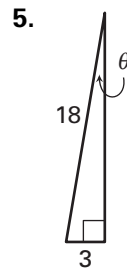
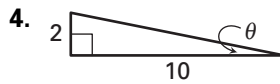
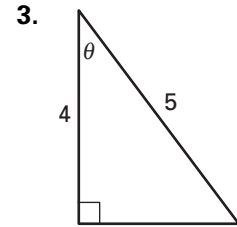
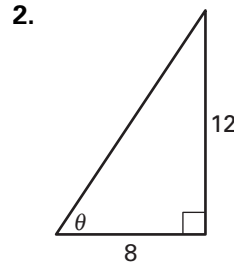
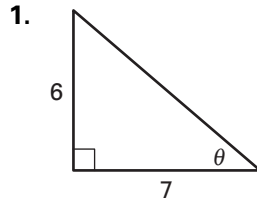


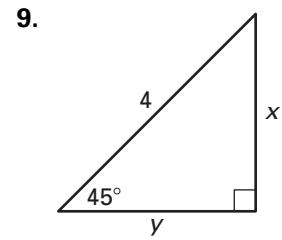
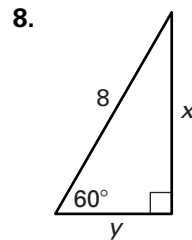
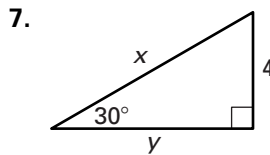
Practice A

For use with pages 769–775

Evaluate the six trigonometric functions of the angle θ .



Find the missing side lengths x and y .



Use a calculator to evaluate the trigonometric function. Round the result to four decimal places.

10. $\sin 15^\circ$

11. $\cos 47^\circ$

12. $\tan 65^\circ$

13. $\csc 18^\circ$

14. $\sec 25^\circ$

15. $\cot 62^\circ$

16. $\sin 80^\circ$

17. $\cos 10^\circ$

Solve $\triangle ABC$ using the diagram and the given measurements.

18. $B = 12^\circ, a = 4$

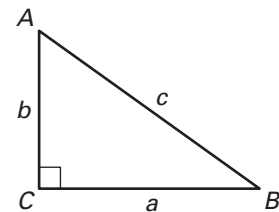
19. $A = 74^\circ, c = 20$

20. $A = 50^\circ, b = 8$

21. $B = 38^\circ, c = 7$

22. $A = 72^\circ, b = 18$

23. $B = 22^\circ, a = 5$



24. **Redwood Trees** You are standing 200 feet from the base of a redwood tree. You estimate the angle of elevation to the top of the tree is 60° . What is the approximate height of the tree?

