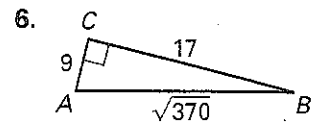
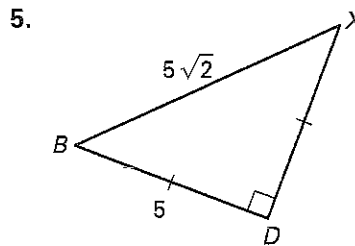
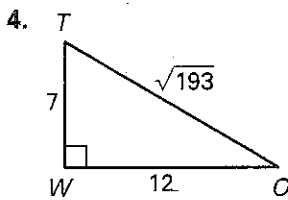
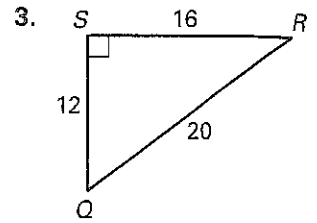
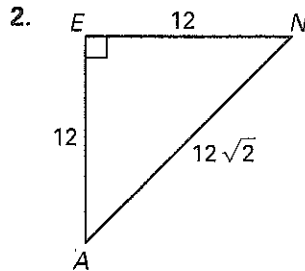
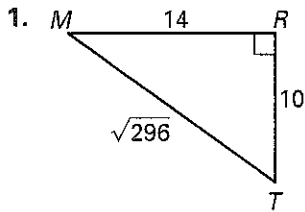


Practice B

For use with pages 558–566

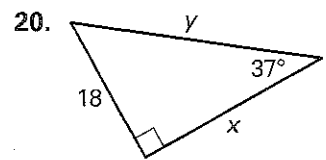
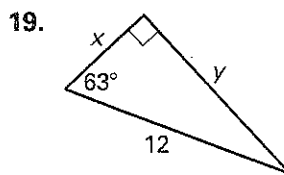
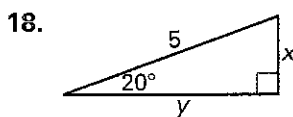
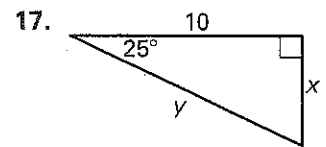
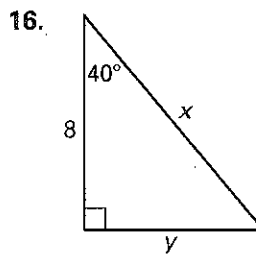
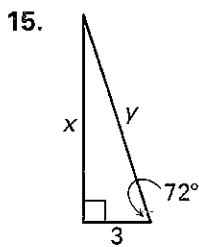
Find the sine, the cosine, and the tangent of the acute angles of the triangle. Express each answer as a decimal rounded to four places.



Use a calculator to approximate the given value to four decimal places.

- | | | | |
|---------------------|---------------------|---------------------|---------------------|
| 7. $\sin 10^\circ$ | 8. $\cos 38^\circ$ | 9. $\tan 44^\circ$ | 10. $\sin 74^\circ$ |
| 11. $\tan 65^\circ$ | 12. $\cos 63^\circ$ | 13. $\sin 57^\circ$ | 14. $\cos 33^\circ$ |

Find the value of each variable. Round decimals to the nearest tenth.



21. **Train** A train is traveling up a slight grade with an angle of inclination of only 2° . After traveling 1 mile what is the vertical change in feet?

