

Name \_\_\_\_\_

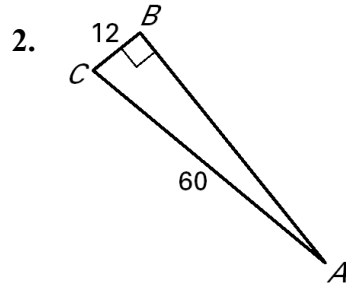
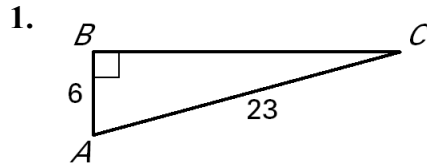
Date \_\_\_\_\_

LESSON 7.7

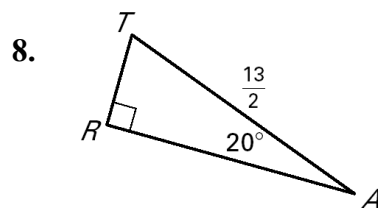
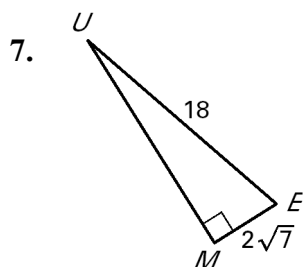
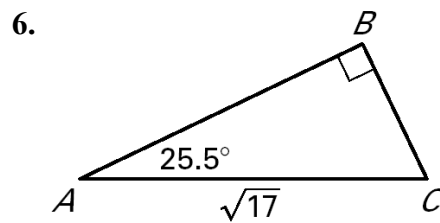
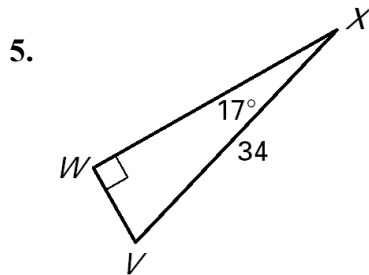
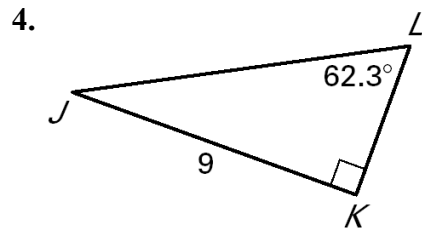
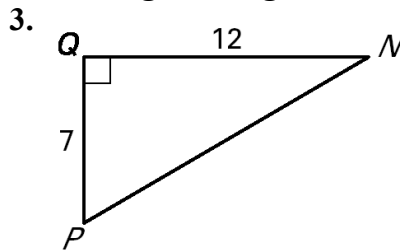
**Practice C**

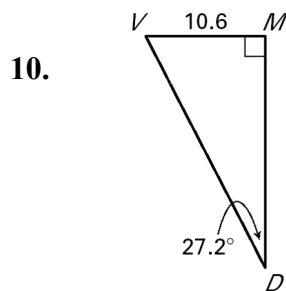
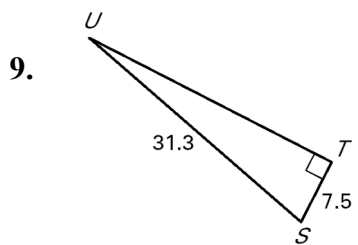
For use with pages 483-489

Use a calculator to approximate the measure of  $\angle A$  to the nearest tenth of a degree.



Solve the right triangle. Round decimal answers to the nearest tenth.





Let  $\angle A$  be an acute angle in a right triangle. Approximate the measure of  $\angle A$  to the nearest tenth of a degree.

11.  $\sin A = 0.16$

12.  $\tan A = 1.8$

13.  $\sin A = 0.97$

14.  $\cos A = 0.25$

15.  $\sin A = 0.44$

16.  $\cos A = 0.05$

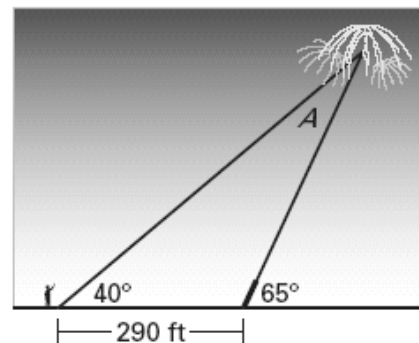
17.  $\tan A = 1.0$

18.  $\cos A = 0$

19.  $\sin A = 1.0$

20.  $\sin A = 0$

**Fireworks** You are watching a fireworks display where you are standing 290 feet behind the launch pad. The launch tubes are aimed directly away from you at an angle of  $65^\circ$  with the ground. The angle of elevation for you to see the fireworks is  $40^\circ$ .



21. To the nearest foot, what is the horizontal distance from the launch pad to the ignition point of the fireworks?

22. To the nearest foot, what is the height of the fireworks when they ignite?

23. What is the measure of angle  $A$ ?