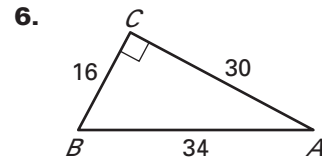
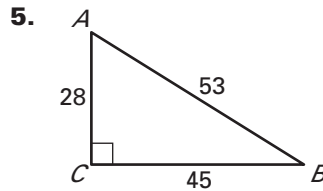
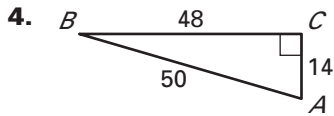
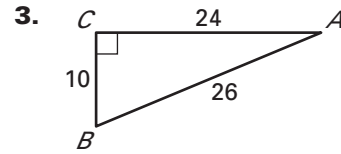
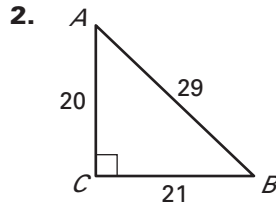
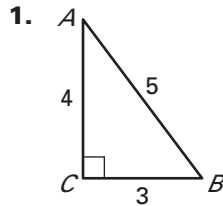


Name _____ Date: _____

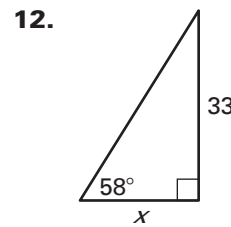
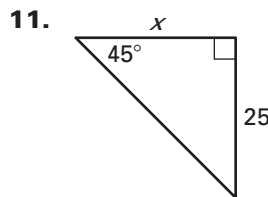
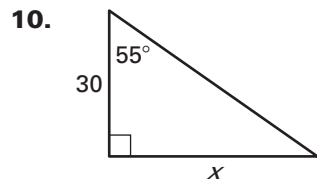
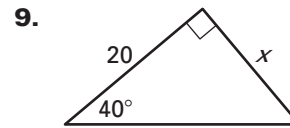
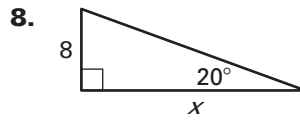
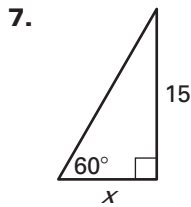
If you turn this in on time: do the odds.
 If you turn this in late or
 you are doing it over: do the evens.

LESSON 7.5 Practice A
 For use with pages 466–472

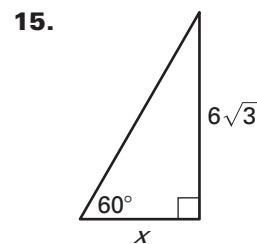
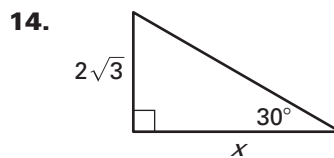
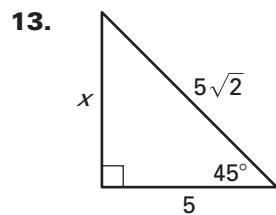
Find $\tan A$ and $\tan B$. Write each answer as a fraction and as a decimal rounded to four places.



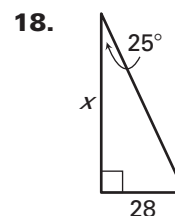
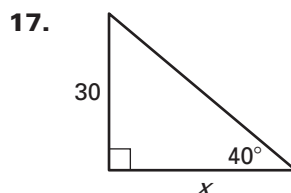
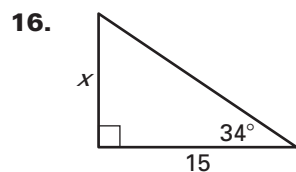
Find the value of x to the nearest tenth.



Find the value of x using the definition of tangent. Then find the value of x using the 45° - 45° - 90° Triangle Theorem or the 30° - 60° - 90° Triangle Theorem. Compare the results.



Use a tangent ratio to find the value of x . Round to the nearest tenth.



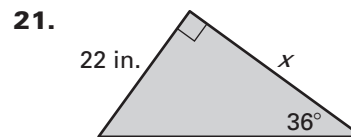
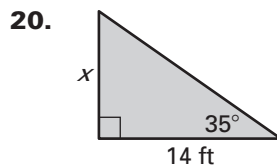
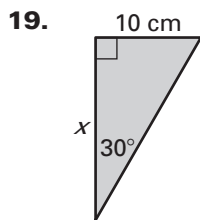
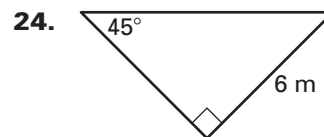
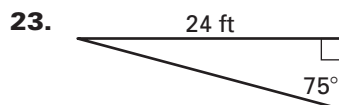
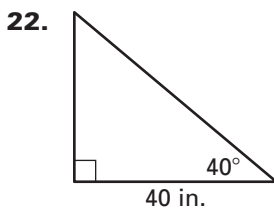
Teacher Score: _____

LESSON 7.5

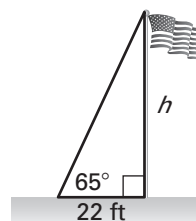
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Student score:
 How well do you feel you understand this learning target:

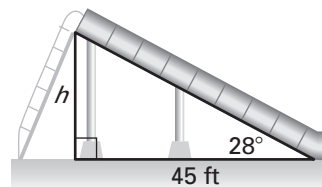
A
 B
 C
 D
 E
 F

LESSON
7.5**Practice A** *continued*
For use with pages 466–472**Find the area of the triangle. Round to the nearest tenth.****Find the perimeter of the triangle. Round to the nearest tenth.**

25. **Flagpole** To calculate the height h of a flagpole, you move 22 feet from the base and record the angle of elevation to the top to be 65°. Find the flagpole's height to the nearest foot.



26. **Water Slide** The angle of elevation from the base to the top of a water slide is about 28°. The horizontal length of the slide is about 45 feet. Find the height h of the slide.



27. **Distance** You are standing near the Washington Monument which is 555 feet tall. The angle of elevation from your position to the top of the monument is 45°. How far are you from the monument?

