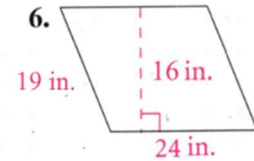
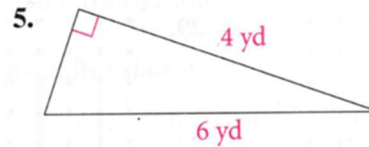
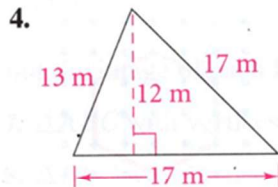
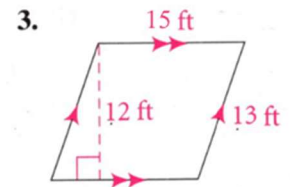
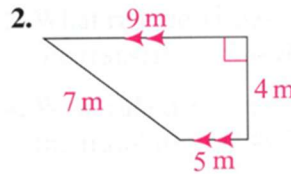
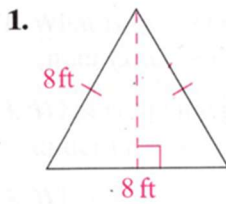


Chapter 10 Extra Practice, Part 1

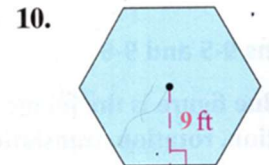
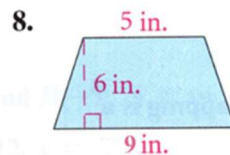
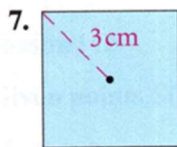
Lesson 10-1

Find the perimeter and area of each shape. Round to nearest tenth. Include the units.

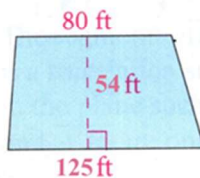


Lessons 10-2 and 10-3

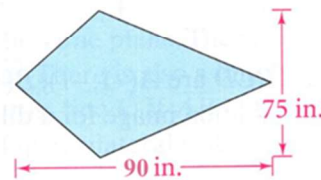
Find the area of each trapezoid or regular polygon. Round to nearest tenth. Include units.



11. The patio section of a restaurant is a trapezoid with the dimensions shown in the figure. What is the area of the patio section?



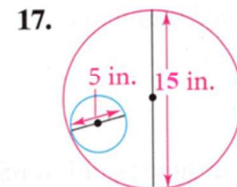
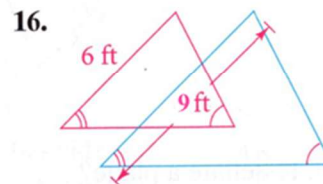
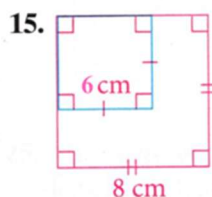
12. A mosaic design uses kite-shaped tiles with the dimensions shown in the figure. What is the area of each tile?



13. The tiles for a bathroom floor are regular hexagons that are $\frac{5}{8}$ in. on each side. Find the area of an individual tile. Express the answer in radical form.
14. The floor of a gazebo is a regular hexagon with sides that are 16 ft long. What is the area of the floor? Round to the nearest square foot.

Lesson 10-4

Find the ratio of the perimeters and the ratio of the areas of the red figure to the blue figure.

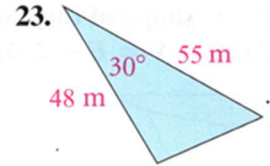
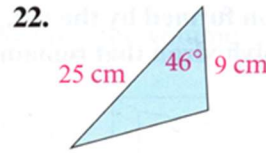
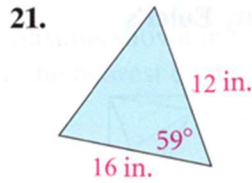
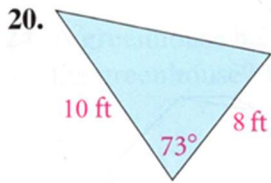


18. A triangular banner has an area of 315 in.^2 . A similar banner has sides $1\frac{1}{3}$ times as long as those of the smaller banner. What is the area of the larger banner?

Chapter 10 Extra Practice, Part 2

Lesson 10-5

Find the area of each polygon. Round your answers to the nearest tenth.

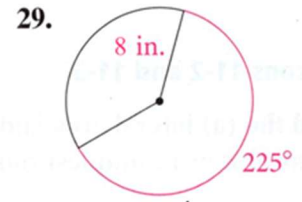
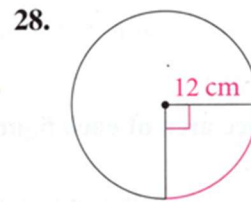
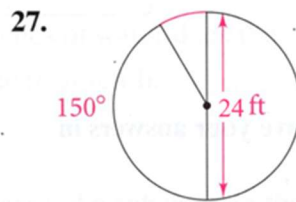
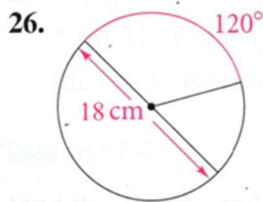


24. a regular hexagon with an apothem of $8\sqrt{3}$ ft

25. a regular octagon with radius 6 ft

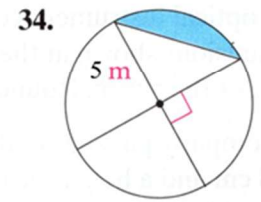
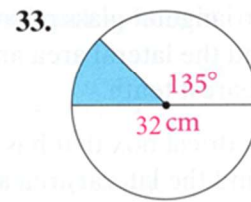
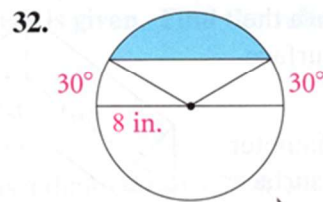
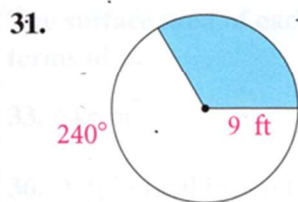
Lesson 10-6

(a) Find the circumference of each circle. (b) Find the length of the arc shown in red. Leave your answers in terms of π .



Lesson 10-7

Find the area of each shaded sector or segment. Round your answer to the nearest tenth.



35. A 14-in. diameter pizza is cut into 8 equal slices. About how many square inches of pizza are in each slice? Round to the nearest square inch.

Find the missing measurements (sides and angles) of each triangle.

