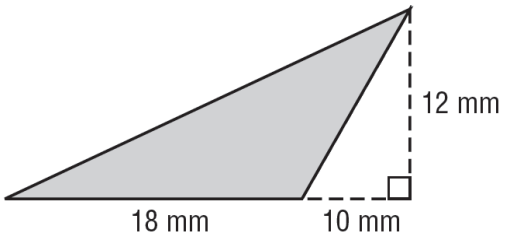
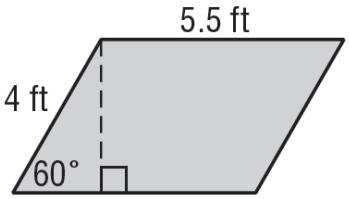
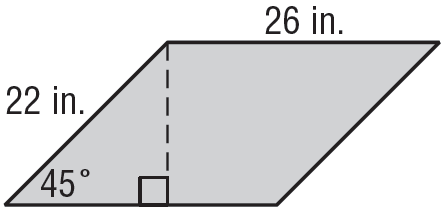
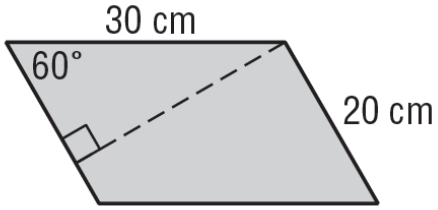
Geometry
Chapter 11 Test Review

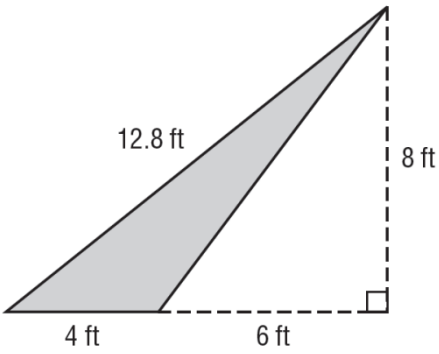
For the first 5 questions, find the perimeter and area of each parallelogram or triangle. Round all answers to the nearest tenth.



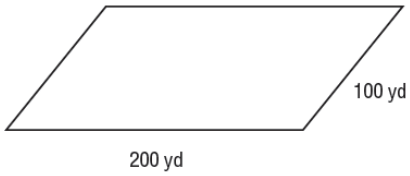








. RUNNING Jason jogs once around a city block shaped like a parallelogram.



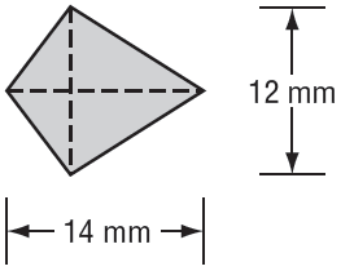
How far did Jason jog?

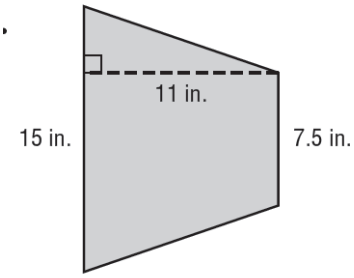
7. The height of a parallelogram is 5 feet more than its base. If the area of the parallelogram is 204 square feet, find its base and height.

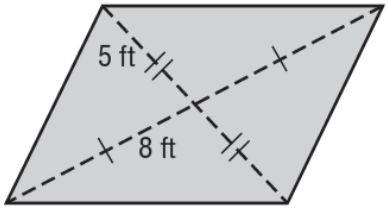
8. The height of a parallelogram is three times its base. If the area of the parallelogram is 972 square inches, find its base and height.

9. The base of a triangle is four times its height. If the area of the triangle is 242 square millimeters, find its base and height.

Find the area of each trapezoid, rhombus or kite.







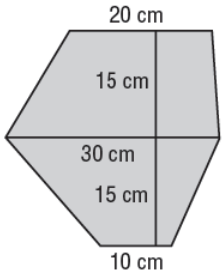
GEBRA Find each missing length.

A trapezoid has base lengths of 6 and 15 centimeters with an area of 136.5 square centimeters. What is the height of the trapezoid?

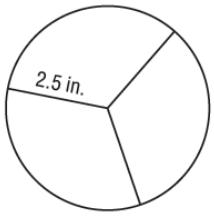
One diagonal of a kite is four times as long as the other diagonal. If the area of the kite is 72 square meters, what are the lengths of the diagonals?

A trapezoid has a height of 24 meters, a base of 4 meters, and an area of 264 square meters. What is the length of the other base?

HEXAGONS Heather makes a hexagon by attaching two trapezoids together as shown. What is the area of the hexagon?

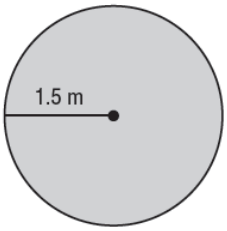


SANDWICHES For a party, Samantha wants to have finger sandwiches. She cuts sandwiches into circles. If she cuts each circle into three congruent pieces, what is the area of each piece?



Find the area of each circle. Give each answer two ways: as an exact answer with π in it, and rounded to the nearest tenth. Don't forget units!

1.



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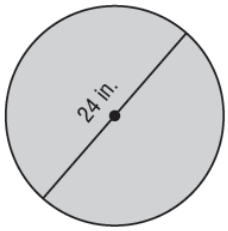

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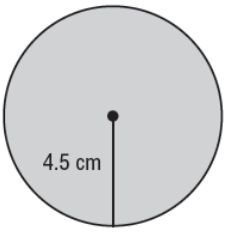


Find the indicated measure. Round to the nearest tenth.

4. The area of a circle is 3.14 square centimeters. Find the diameter.

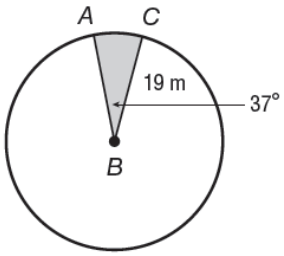
5. Find the diameter of a circle with an area of 855.3 square millimeters.

6. The area of a circle is 201.1 square inches. Find the radius.

7. Find the radius of a circle with an area of 2290.2 square feet.

Find the area of each shaded sector. Round to the nearest tenth.

8.



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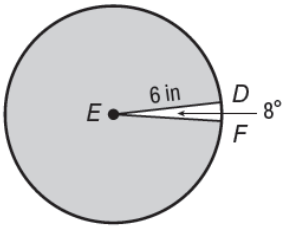

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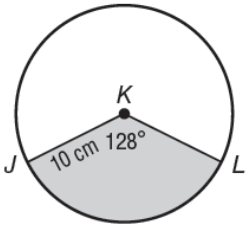
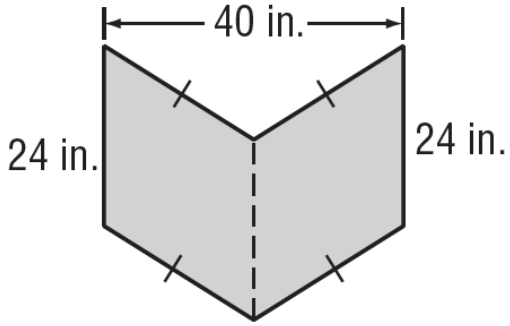
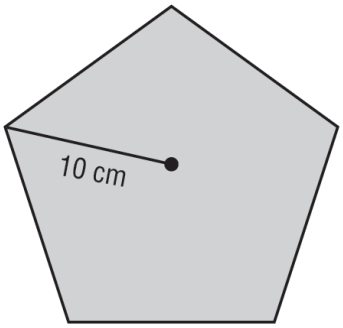
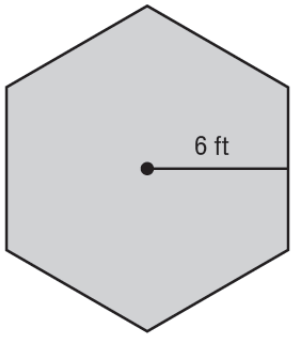


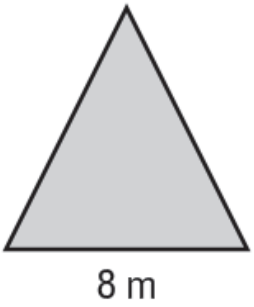
Find the area of each figure. Round to the nearest tenth.



Find the area of each regular polygon. Round each answer to the nearest tenth.







Review finding area and perimeter of shapes on the coordinate plane, using class assignments and homework questions. This will also be on the test.

Review and re-work questions from finding area of a shaded region. Questions *may* be taken directly from those assignments, with the numbers changed.