

Geometry District Assessment 11 Review

(Links to State Standards GE 10.0, GE 8.0 and GE11.0)
(Use after section 11.6)

Name _____

Date _____ Period _____

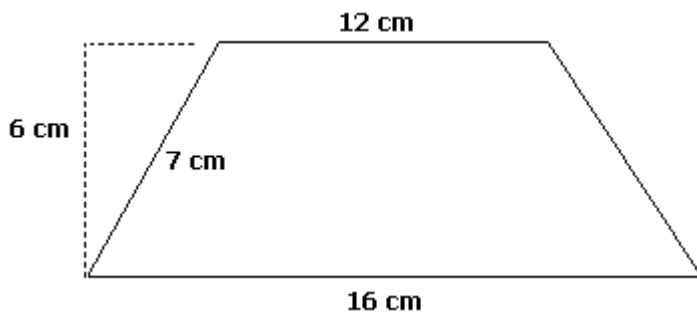
GE 10.0* Students compute areas of polygons, including rectangles, scalene triangles, equilateral triangles, rhombi, parallelograms, and trapezoids. **AND**

GE 8.0* Students know, derive, and solve problems involving perimeter, circumference, area, [volume, lateral area, and surface area] of common geometric figures. **AND**

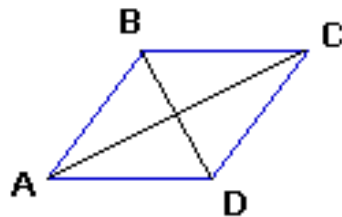
GE 11.0 Students determine how changes in dimensions affect the perimeter, area, and [volume] of common geometric figures [and solids].

1. A square has a perimeter of 100 cm. What is the area of the square?

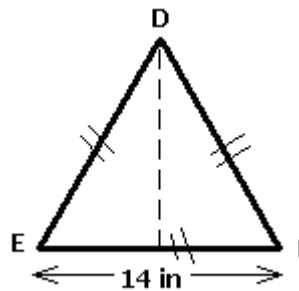
2. Calculate the area of the trapezoid:



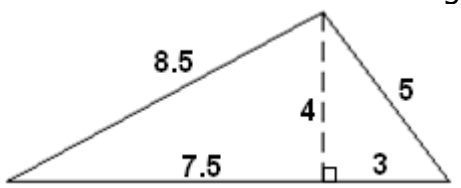
3. Quadrilateral ABCD is a rhombus. BD = 18 cm and AC = 24 cm. Calculate the area.



4. Triangle DEF is equilateral. What is its area?



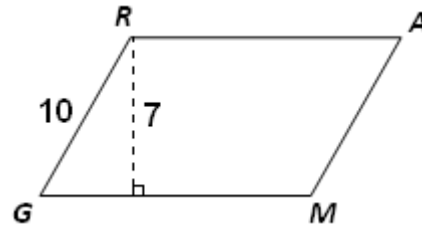
5. What is the area of the triangle shown?



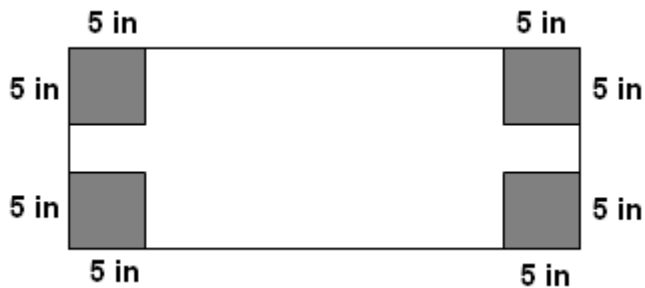
6. A local pizza restaurant offers a 10" diameter pizza. What is the area of the pizza?

7. A bicycle has a wheel with a diameter of 26 inches. How many revolutions does it take to travel 1000”?

8. *GRAM* is a parallelogram with a perimeter of 60 units. What is the area of *GRAM*?



9. The rectangle shown below has a length of 13 inches by 30 inches. In each corner, a square piece will be removed as shown. What is the area of the remaining figure?



10. The area of the rectangle shown is 54 square units. If each side were divided by three, what would be the area of the new rectangle?

