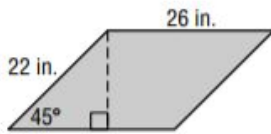


Chapter 11 and 12 Review
Geometry CP

1. Find the area and the perimeter of the following shaded region:

a.

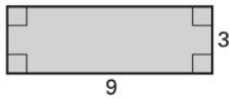


Area = _____

Perimeter = _____

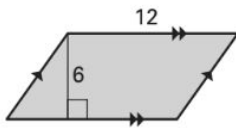
2. Find the area of the following shaded region:

a.



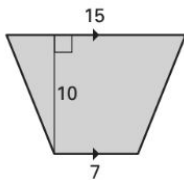
Area = _____

b.



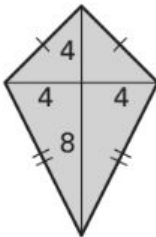
Area = _____

c.



Area = _____

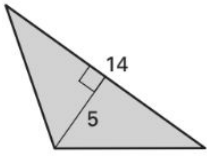
d.



Area = _____

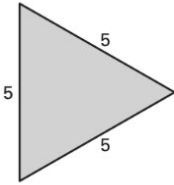
Chapter 11 and 12 Review
Geometry CP

e.



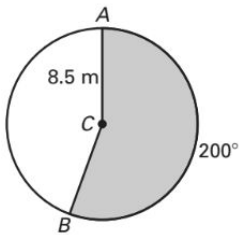
Area = _____

f.



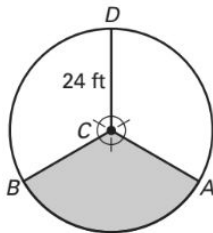
Area = _____

g.



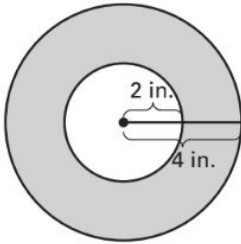
Area = _____

h.



Area = _____

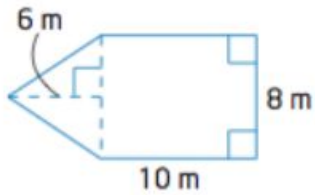
i.



Area = _____

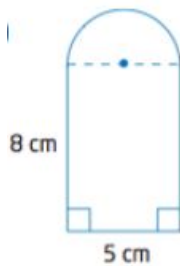
3. Find the area of the composite figures.

a.



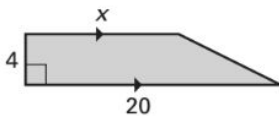
Area = _____

b.



Area = _____

4. The quadrilateral below has an area of 64 square units. Find the value of x .

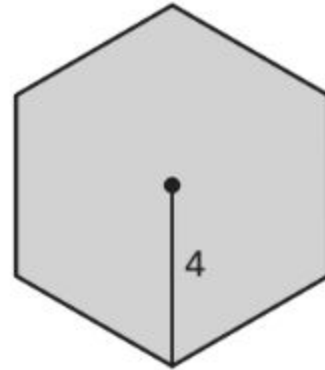


5. Find the radius of the circle given that the area is $81\pi \text{ cm}^2$.

6. Find the area of the polygon below. Be sure to show all of your work! (20 points total on test)

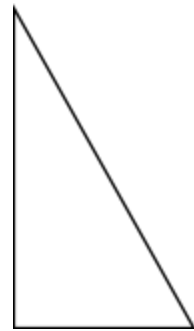
a. (1 pt) Number of sides = _____

b. (2 pts) Central Angle = _____



c. (4 pts) Apothem = _____

d. (5 pts) Side Length = _____



e. (4 pts) Perimeter = _____

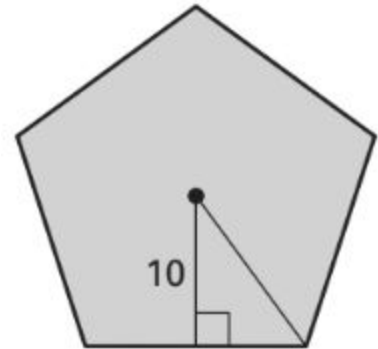
f. (4 pts) Area = _____

Chapter 11 and 12 Review
Geometry CP

7. Find the area of the polygon below. Be sure to show all of your work! (11 points total on test)

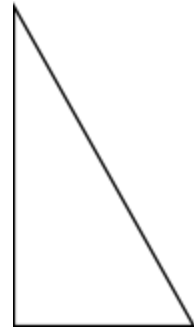
a. (1 pt) Number of sides = _____

b. (2 pts) Central Angle = _____



c. (2 pts) Apothem = _____

d. (2 pts) Side Length = _____

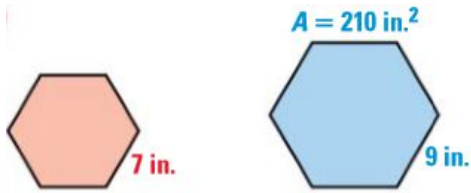


e. (2 pts) Perimeter = _____

f. (2 pts) Area = _____

Chapter 11 and 12 Review
Geometry CP

8. Corresponding lengths in the similar hexagon are given. Find the ratios (small to large) of the perimeters and areas. Find the area of the small hexagon. (6 points)



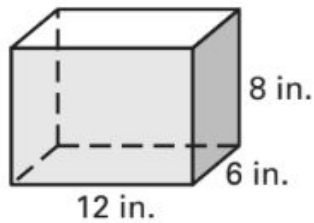
Perimeter Ratio = _____

Area Ratio = _____

Area of Small Hexagon = _____

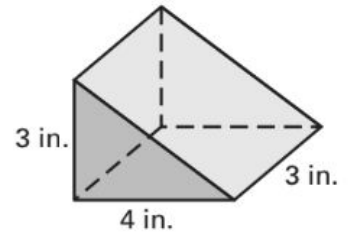
9. Find the surface area of the right prisms below:

a.



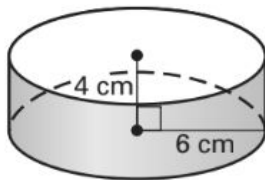
b.

c.

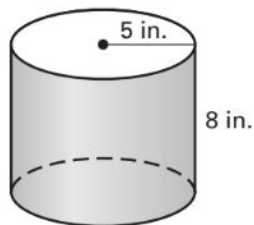


10. Find the surface area of the right cylinders below:

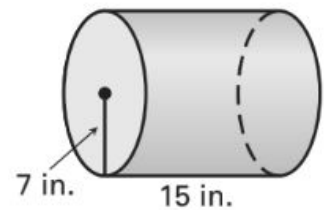
a.



b.

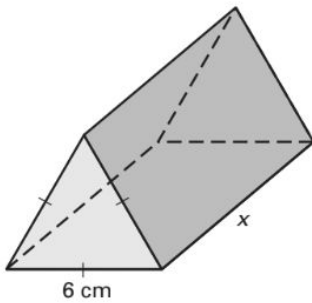


c.



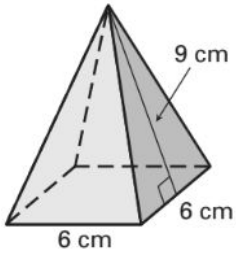
11. Solve for the variable given the surface area of the right prism

$$S = 229.2 \text{ cm}^2$$

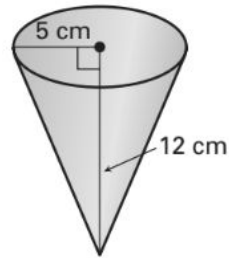


12. Find the surface area of the regular pyramid or right cone:

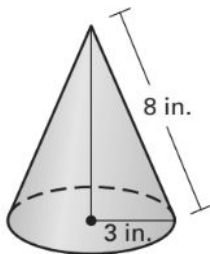
a.



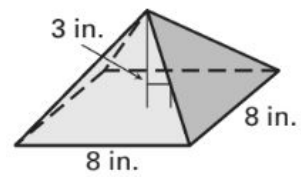
c.



b.

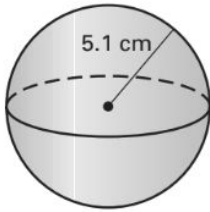


d.

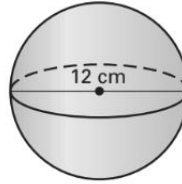


13. Find the surface area of the sphere below:

a.

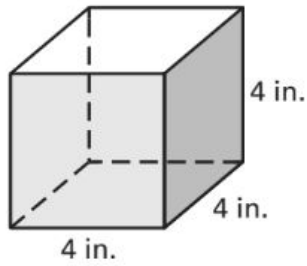


b.

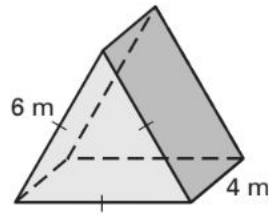


14. Find the volume of the following:

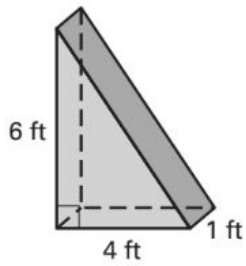
a.



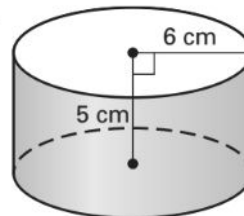
c.



b.

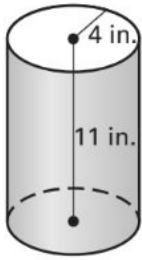


d.

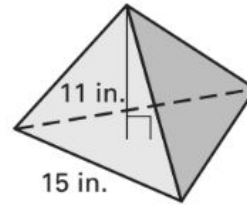


Chapter 11 and 12 Review
Geometry CP

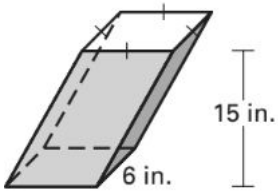
e.



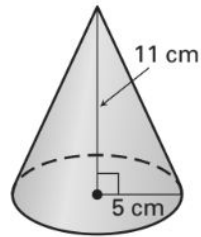
h. The pyramid below has a regular polygon for a base:



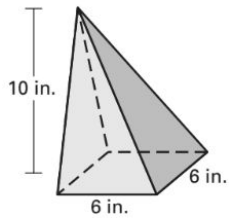
f.



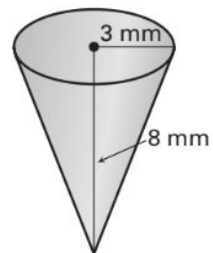
i.



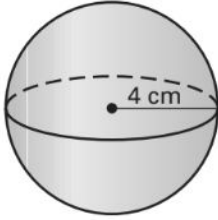
g.



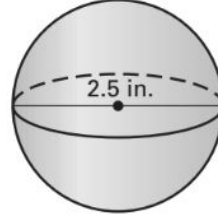
j.



k.



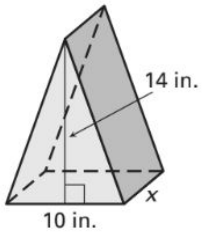
l.



15. Solve for the variable using the given measurements.

a.

$$\text{Volume} = 455 \text{ in.}^3$$



b.

$$\text{Volume} = 2420 \text{ ft}^3$$

