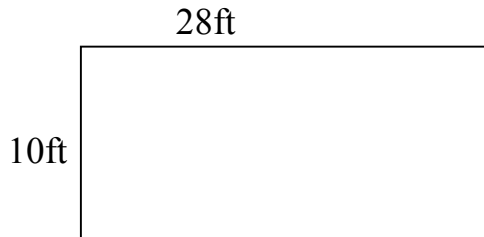




Kenosha Unified School District No. 1
Curriculum and Instructional Services
Grade 7 Mathematics
Quarter 4 Review

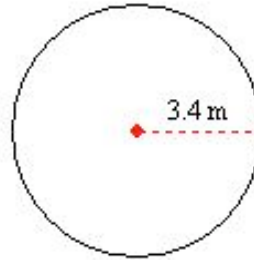
Find the Perimeter and area of the square.



1. Perimeter: _____

2. Area: _____

Find the area and circumference of the circle



$A = \pi r^2$ $C = \pi d$ or $2\pi r$

3. Area: _____ square cm

4. Circumference _____ cm

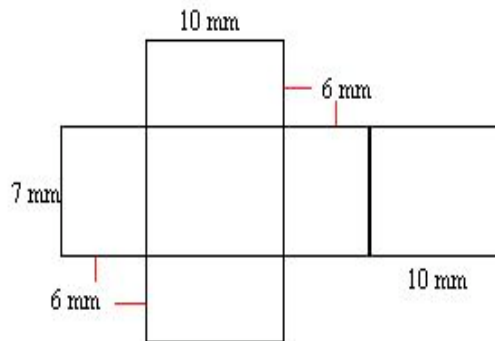
Find the area of the trapezoid.

$$A = \frac{1}{2} \times H(B_1 + B_2)$$



Area: _____

Find the volume and surface area of the figure.



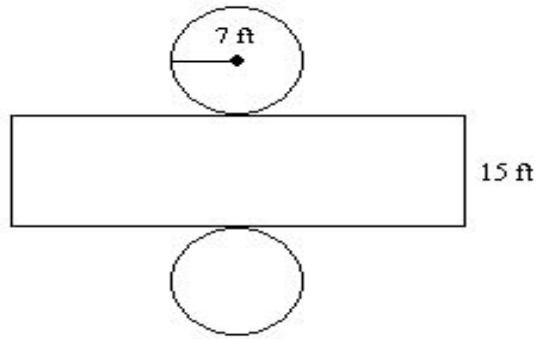
Volume: _____

Surface Area: _____

The area diameter of the cylinder is 8 cm. What additional information is needed to find the volume of the cylinder?

- a. circumference
- b. Height
- c. Radius
- d. Base

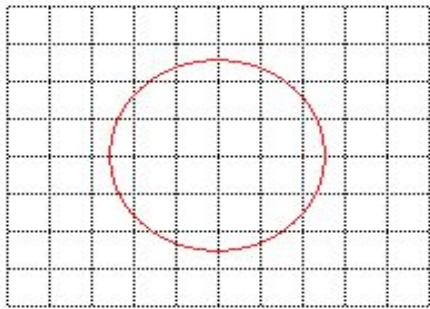
9.) Find the surface area of the figure below. Round to the nearest tenth.



Surface Area: _____

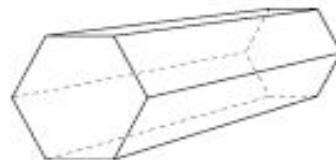
SA=

10) Estimate the area of the shaded figure,



_____ square units

Identify the base, face of the figure then classify the figure.



11.) Base: _____

Face: _____

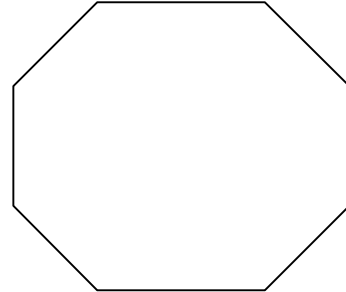
12) Classify: _____

<p>13) There are 8 red cards, 9 black cards, and 7 white cards. What is the probability of drawing a red card?</p>	<p>14) A little girl has a bag of plastic rings. It contains 6 yellow rings, 11 blue rings, 15 green rings and 3 black rings. What is the probability she gets a black ring, replaces it, then picks a green ring?</p>
<p>15) A pizza parlor offers three different pizza toppings. How many different kind of 2-topping pizzas are available?</p> <p>16) Explain your answer using words or a diagram</p>	<p>17) How many different ways can 5 soda cans be arranged in a row?</p> <hr/> <p>18) Explain your answer using words or a diagram.</p>

19. Tell how many times the figure will show rotational symmetry with one full rotations.

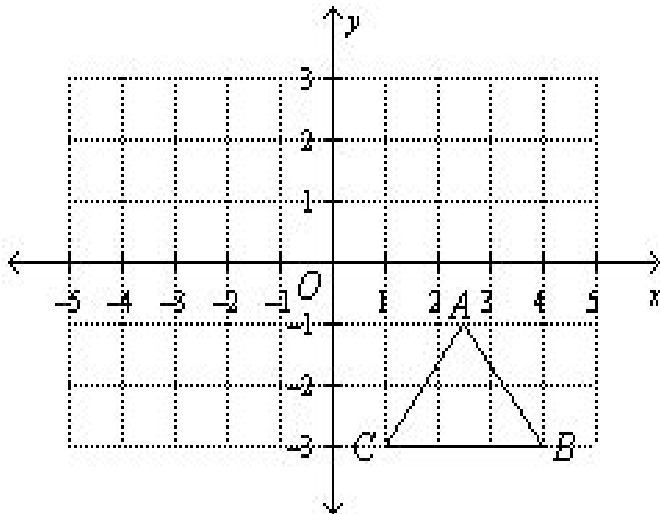


20) Draw the lines of symmetry for this regular polygon.



How many lines? _____

21. Graph the translation of triangle ABC 6 units left and 4 units up.



ESTIMATE, each square root to the nearest whole number.

22. $\sqrt{53}$

23. $\sqrt{72}$