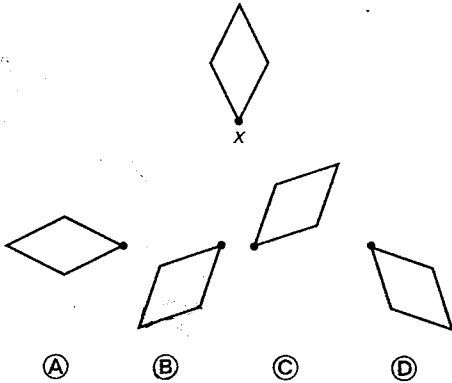


Name \_\_\_\_\_

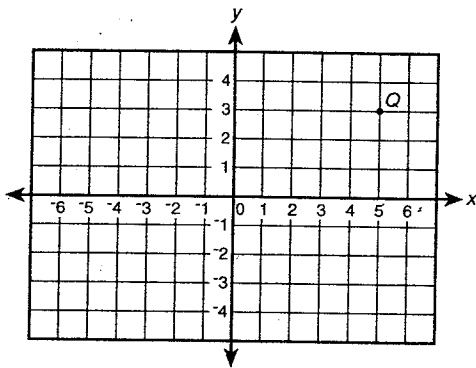
Period \_\_\_\_\_

# Geometry Review Worksheet

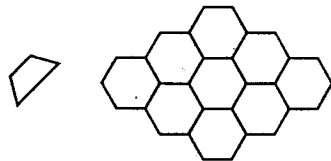
1. What figure is the result of rotating the pictured rhombus  $\frac{3}{8}$  of a turn counterclockwise around point  $x$ ?



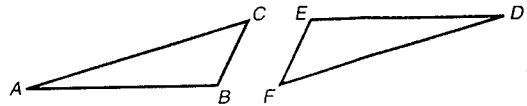
2. What are the coordinates of point  $Q$  in the graph?



3. How many of the smaller figures are needed to cover the larger figure?

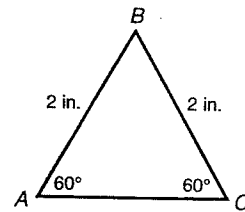


4. Assuming that  $\triangle ABC$  is congruent to  $\triangle DEF$ , which statement is true?



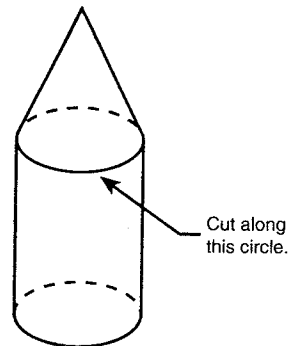
- (A)  $BC = FD$
- (B)  $m\angle DEF = m\angle BCA$
- (C)  $AC = EF$
- (D)  $m\angle BAC = m\angle EDF$

5. Look at triangle  $ABC$  below. Determine which of the following is **not** true about the triangle.




- (A)  $AC = 2$  inches
- (B)  $m\angle ABC = 60$
- (C)  $\triangle ABC$  has one right angle
- (D)  $\triangle ABC$  is an equilateral triangle

6. What two solid figures are combined to form the figure below?



- (A) one triangular pyramid and one cylinder
- (B) one cone and one cylinder
- (C) one cone and one prism

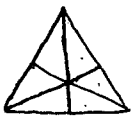
- 7)  Is this shape a quadrilateral? \_\_\_\_\_  
Is this shape a rectangle? \_\_\_\_\_  
Is this shape a rhombus? \_\_\_\_\_  
Is this shape a parallelogram? \_\_\_\_\_  
Is this shape a trapezoid? \_\_\_\_\_  
Is this shape a square? \_\_\_\_\_

8) Draw an isosceles right triangle. Label correctly.

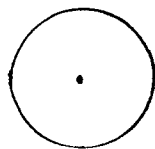
9) Can a scalene triangle also be equilateral? Why or why not?

10) Bob drew a polygon and one of its diagonals. He got a trapezoid and a triangle. What is the number of sides of the original polygon?

11) How many triangles are contained in the figure below?



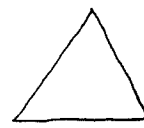
12) Using the 3 views of a 3 dimensional figure below, name the polyhedron that it best describes:



top



front



side

13) How many faces does a triangular prism have?

How many edges?

How many vertices?

14) Which quadrilateral has both reflectional and rotational symmetry?

- A) trapezoid
- B) parallelogram
- C) rhombus
- D) kite