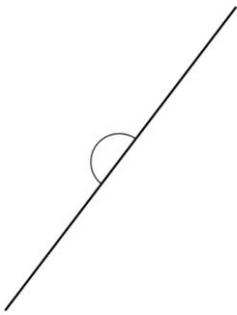


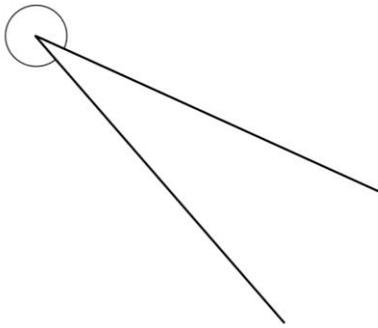
## Lesson 3-1

1. Measure each angle.  
Then name each angle as acute, right, obtuse, straight, or reflex.

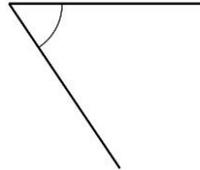
a)



b)



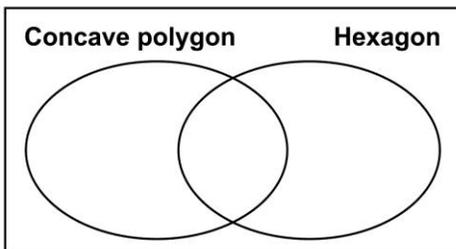
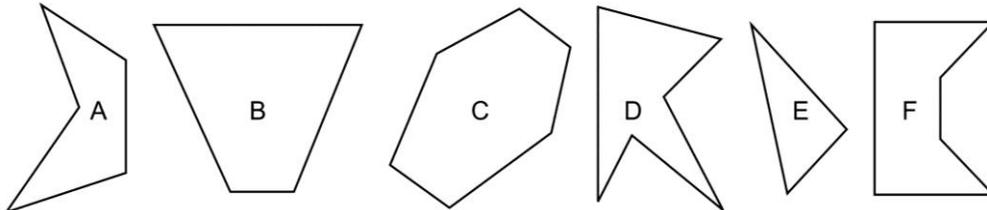
c)



2. Use a ruler and a protractor.  
Draw an angle that measures  $144^\circ$ .  
Describe how you drew the angle.

## Lesson 3-2

1. a) Sort these figures in the Venn diagram.



- b) Choose 2 different attributes.  
Sort the figures again. Record the sorting in a Venn diagram.
2. Draw a convex pentagon.  
Is it possible to draw more than one figure? Explain.

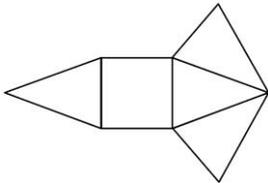
## Lesson 3-4

1.
  - a) Use a ruler and a protractor.  
Draw an equilateral triangle with sides 75 mm long.
  - b) Use a ruler and a compass.  
Draw an equilateral triangle with sides 70 mm long.
  - c) Which triangle was easier to draw? Explain.
  
2. Use a ruler and a protractor.  
Draw a rhombus with sides 6 cm long, so that two angles measure  $75^\circ$  and two angles measure  $105^\circ$ .
  
3. Construct quadrilateral FGHI with:  $\angle F = 50^\circ$ ,  $\angle G = 40^\circ$ ,  $\angle H = 130^\circ$ 
  - a) What is the measure of  $\angle I$ ?
  - b) Is it possible to draw more than one quadrilateral FGHI? Explain.

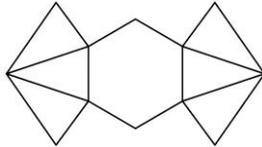
## Lesson 3-5

1. Identify each solid from its net.

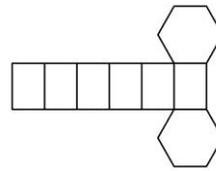
a)



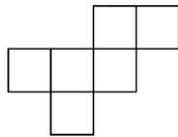
b)



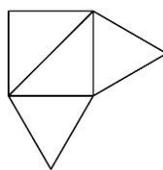
c)



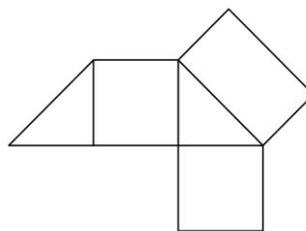
d)



e)



f)

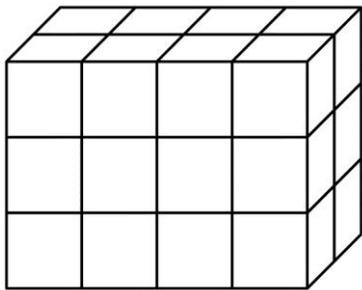


2. Refer to the nets in question 1.
  - a) For each pyramid, what is the relationship between the number of faces and the number of edges of the base?
  - b) Is there a relationship between the number of faces and the number of edges of the base for a prism? Explain.

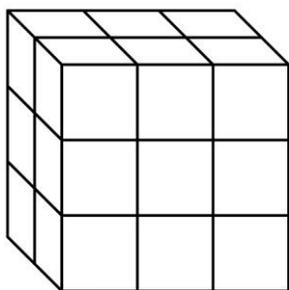
## Lesson 3-6

1. Build each prism with linking cubes. Next, draw the prism on triangular dot paper. Then, draw its views on grid paper.

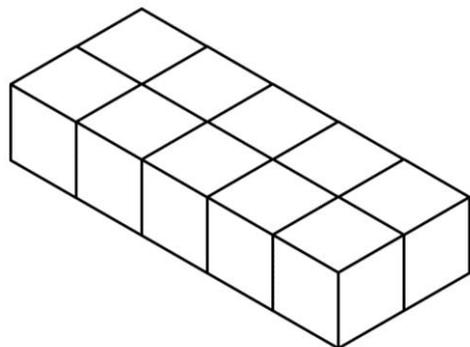
a)



b)



c)



2. a) Use linking cubes to build an object that is *not* a rectangular prism.  
b) Draw the object on triangular dot paper.  
c) Draw the views of the object on grid paper.