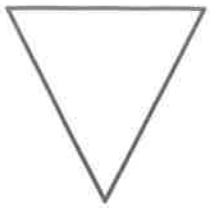
R (Read the problem carefully.)

Terrence is making shapes with 12 toothpicks. Using all of the toothpicks, create 3 different shapes he could make. How many other combinations can you find?

D (Draw a picture.)

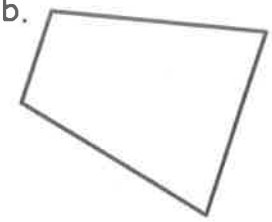
Name _____ Date _____

1. Identify the number of sides and angles for each shape. Circle each angle as you count, if needed. The first one has been done for you.

a. 

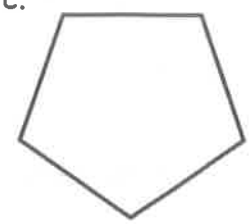
3 sides

3 angles

b. 

_____ sides

_____ angles

c. 

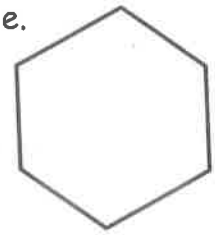
_____ sides

_____ angles

d. 

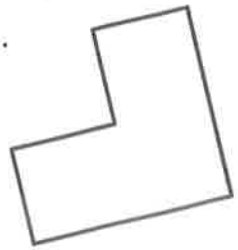
_____ sides

_____ angles

e. 

_____ sides

_____ angles

f. 

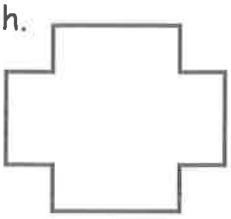
_____ sides

_____ angles

g. 

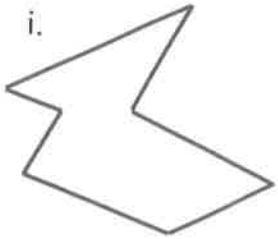
_____ sides

_____ angles

h. 

_____ sides

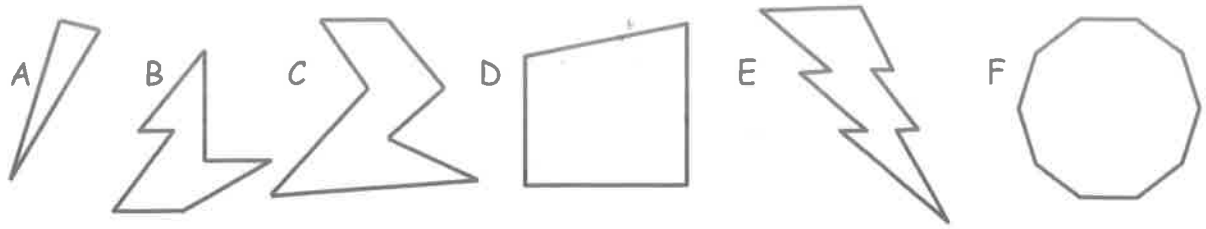
_____ angles

i. 

_____ sides

_____ angles

2. Study the shapes below. Then, answer the questions.



a. Which shape has the most sides? _____

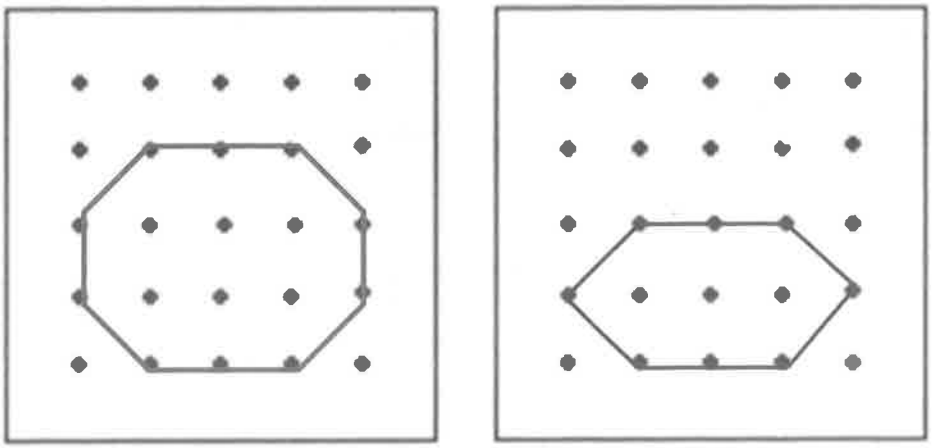
b. Which shape has 3 more angles than shape C? _____

c. Which shape has 3 fewer sides than shape B? _____

d. How many more angles does shape C have than shape A? _____

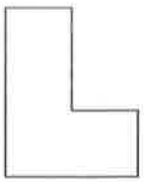
e. Which of these shapes have the same number of sides and angles? _____

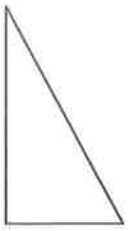
3. Ethan said the two shapes below are both six-sided figures but just different sizes. Explain why he is incorrect.



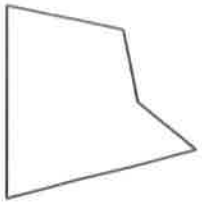
Name _____ Date _____

Study the shapes below. Then, answer the questions.

A 

B 

C 

D 

1. Which shape has the most sides? _____

2. Which shape has 3 fewer angles than shape C? _____

3. Which shape has 3 more sides than shape B? _____

4. Which of these shapes have the same number of sides and angles? _____