Mathematics

Power Standard 8:10

Formative Test

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_\_\_



1. In the above figure ,the horizontal lines are parallel and are cut by a transversal.

Which of the following statements is true?

1. m  5=m 4
2. m 1=m 2
3. m 5=m 7
4. m 5+m 8=1800
5. Draw an obtuse scalene triangle.
6. By definition, are all rhombi considered parallelograms? Why or why not?

1. By definition, are all parallelograms considered rhombi? Why or why not?
2. In triangle DEF,

 m D=300 and m E=450. Find the m F. Show work.

m F= \_\_\_\_\_\_\_\_\_\_\_\_

1. In quadrilateral ABCD, m  A=950 ,

m B=700, and m C= 1050. Find m D. Show work.

m D = \_\_\_\_\_\_\_\_\_\_\_\_



1. Identify the figure above. Identify number of faces, vertices, and edges.

Name of figure:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# of faces \_\_\_\_\_\_\_\_\_\_\_\_\_

# of vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_

# of edges \_\_\_\_\_\_\_\_\_\_\_

1. Does a pyramid ever have parallel sides? Explain your reasoning.
2. Draw a mat plan for the 3-D figure below.

Then draw the front view, side view, and top view.



front

side

Mat plan:

Front view:

Side view:

Top view:

10.Use the mat plan below to draw a 3-D figure on isometric dot paper.

1

1

2

3

1

1

2

1

1

1

