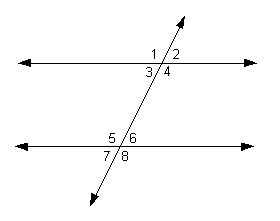
Mathematics

Power Standard 8:10 & 8:11

Summative 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 http://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 5+mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 6=1800
   2. mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 3=mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 4
   3. mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 5=mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 6
   4. mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 4=mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png 6
2. Draw an acute equilateral triangle.
3. By definition, are all squares considered rhombi? Why or why not?
4. By definition, are all rhombi considered squares? Why or why not?
5. In triangle ABC,

mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png A=900 and mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png B=400. Find the mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png C. Show work.

mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png C = \_\_\_\_\_\_\_\_\_\_\_\_\_

1. In quadrilateral ABCD, m http://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png A=750 ,

mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png B=650, and mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png C= 1150. Find mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png D. Show work.

mhttp://upload.wikimedia.org/wikipedia/commons/thumb/b/bf/Angle_Symbol.svg/198px-Angle_Symbol.svg.png D = \_\_\_\_\_\_\_\_\_\_\_\_\_

[](http://www.wqsb.qc.ca/philemon/pmessier/images/Square_pyramid.gi)

1. Identify the figure on the right.

Identify number of faces, vertices, and edges.

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

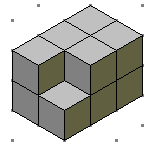
# of faces \_\_\_\_\_\_\_\_\_\_\_

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

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

1. Explain the difference between a prism and a pyramid.
2. Draw a mat plan for the 3-D figure below.

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



Side

SSide

Front

Mat plan:

Front view:

Side view:

Top view:

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

paper.

2

2

3

4

1

1

1

