

Geometry Project

1. Create a picture that includes the following:

Acute angle	Isosceles triangle
Right angle	Scalene triangle
Obtuse angle	Acute triangle
Straight angle	Right triangle – include hypotenuse and legs
Complementary angles	Obtuse triangle
Supplementary angles	Quadrilateral
Congruent angles	Parallelogram
Parallel lines (segments)	Rectangle
Transversal	Square
Alternate interior angles	Rhombus
Corresponding angles	Trapezoid
Congruent line segments	Pentagon, hexagon, octagon or decagon
Perpendicular lines (segments)	
Equilateral triangle	

*Your picture must be neat and colorful. Use a straightedge to draw all your lines. Label all the vertices with letters.

2. Find the area and perimeter of one of each of the following:

- Rectangle
- Triangle
- Parallelogram
- Trapezoid

3. Write a paper describing where to find each item in your picture. This should be in sentence and paragraph form – not a list.

Example: In the peak of the roof you can find the acute angle, $\angle ABC$

Picture and rough draft of paper are due: Monday, Feb. 13th

Final project is due: Thursday, Feb. 16th