Geometry                          Name _____
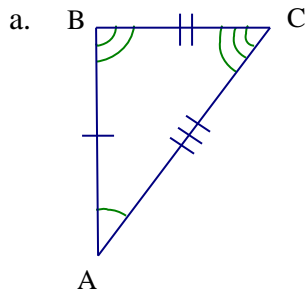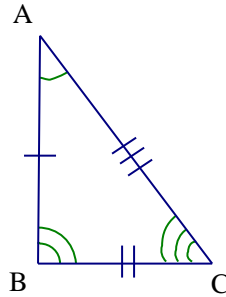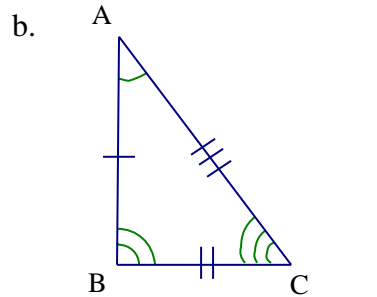
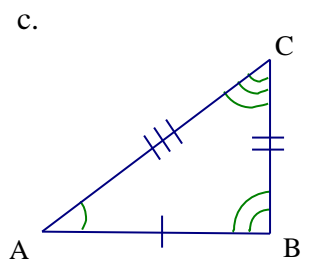4.3 Congruent Triangles           Date _____ Hour _____

1) Name all congruent parts of the two triangles shown below.
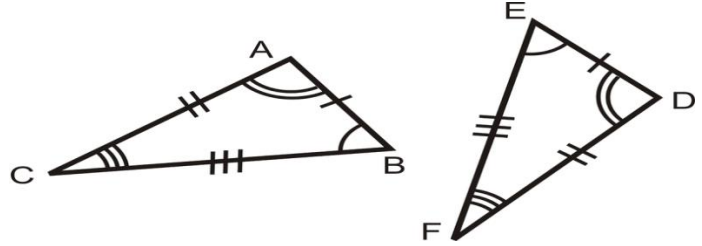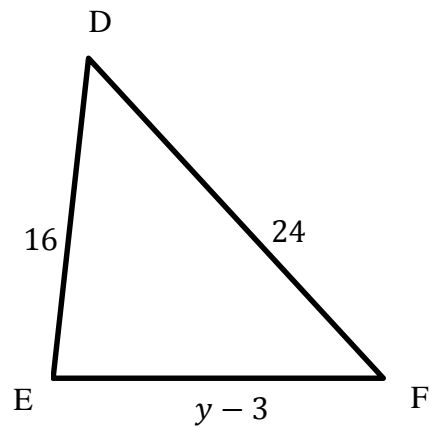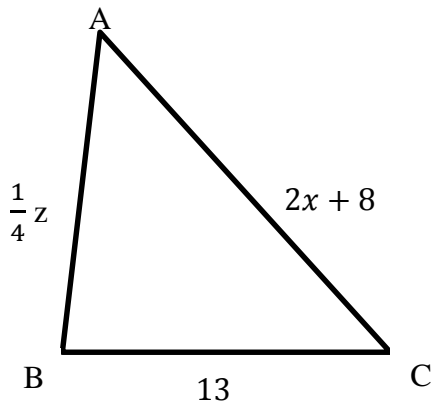
2) Use this original to name the congruence
   transformation for each image below.

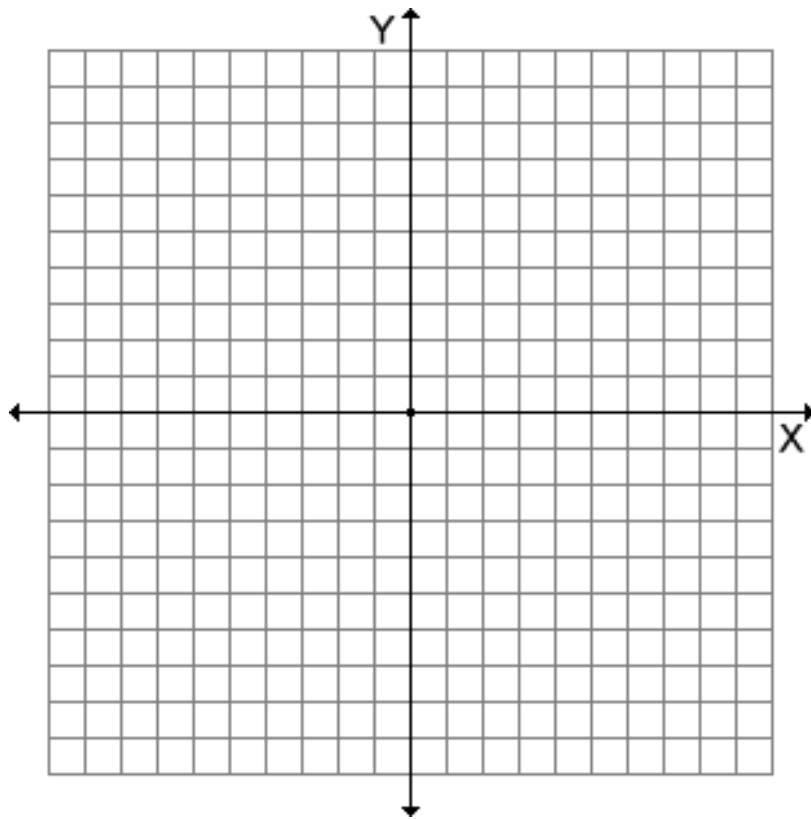a.    B

_____

b.    A

_____

c.

_____

3) Given: $\triangle ABC \cong \triangle DEF$. Solve for x, y, and z using what you know about CPCTC.

$\frac{1}{4}z$          $2x + 8$

B      13        C

16          24

E      $y - 3$      F

4) Use the coordinates below to graph the triangle. Then, flip the coordinates over the origin (0,0) to create a congruent triangle. Label all points of the two triangles. Record the coordinates of the second triangle. Finally, compute all of the side lengths of both triangles.

A= (-6, 1)

B= (-2, 1)

C= (-2, 7)