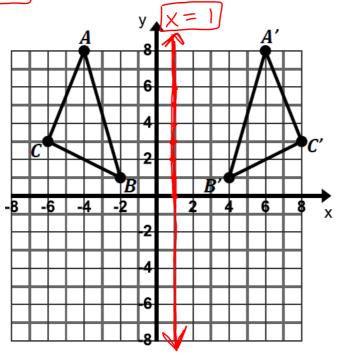
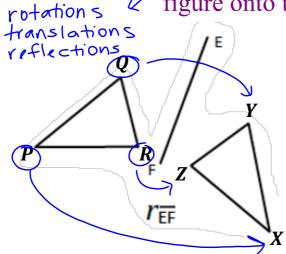
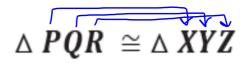
DO NOW

Identify and write the equation of the line of reflection for the triangles graphed below



Two figures are **congruent** if and only if there exists one, or more, rigid motions which will map one figure onto the other.

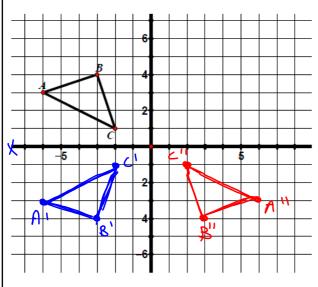




because rigid motions map point P to point X, point Q to point Y and point R to point Z.

Rigid motions map segments onto segments of equal length and angles onto angles of eqal measure

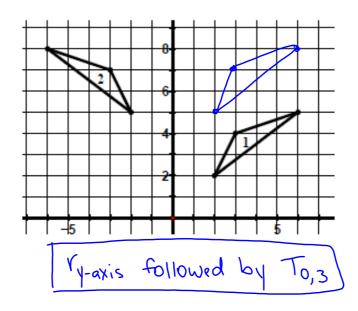
 Δ has been plotted below.



- a. Reflect Δ over the x-axis and label the image
- b. Reflect Δ ' ' over the y-axis and label the image
- c. What **one** transformation is the same as this double reflection?

Rotation 180°

Describe a sequence of rigid motions that would carry triangle 1 onto triangle 2. Use precise descriptions.



The two figures below are congruent.

(a) Describe the transformation or sequence of transformations that will carry ALMN onto AEDF.

(b) List the congruent corresponding parts

(c) The two figures below are congruent.

(d) Describe the transformation or sequence of transformations that will carry ALMN onto AEDF.

(e) The two figures below are congruent.

(a) Describe the transformation or sequence of transformation or sequence of transformations that will carry ALMN onto AEDF.

(b) List the congruent corresponding parts

(c) The two figures below are congruent.

(d) The two figures below are congruent.

(e) Describe the transformation or sequence of transformations that will carry ALMN onto AEDF.

(e) The two figures below are congruent.

(f) The two figures below are congruent.

(g) Describe the transformation or sequence of transformations that will carry ALMN onto AEDF.

(h) The two figures below are congruent.

(h) List the congruent corresponding parts

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