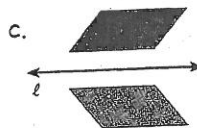
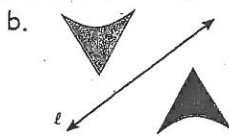
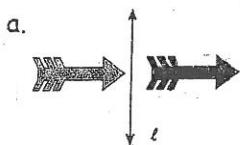


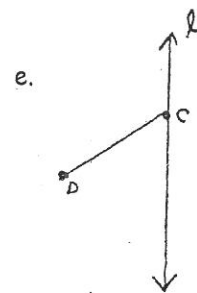
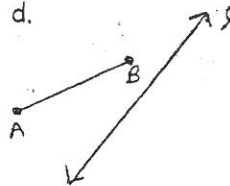
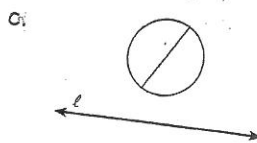
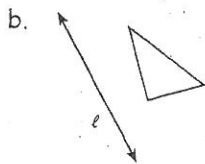
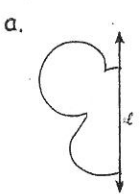
REFLECTIONS

You: _____

1. Is the dark object a reflection of the white object over line l ?

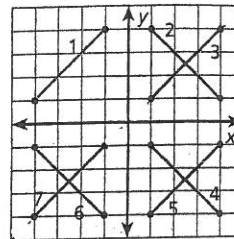


2. Carefully draw the reflection of each shape over line l .



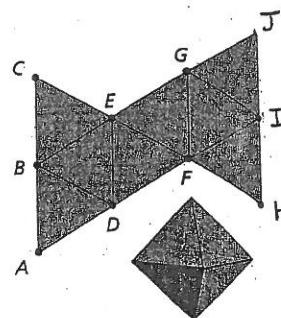
3. Start with the Segment #1 and name the segment it would map onto after the given reflection.

- a. Reflection over x-axis
- b. Reflection over the y-axis
- c. Reflection over the line $y = x$
- d. Reflection over y-axis followed by reflection over x-axis
- e. Reflection over x-axis followed by reflection over y-axis
- f. Reflection over x-axis followed by another reflection over x-axis



4. Use the pattern of equilateral triangles at right.

- a. Is $\triangle EBD$ a reflection of $\triangle ABD$?
- b. If you said yes in previous question, what line was the triangle reflected over?
- c. The reflection of $\triangle DEF$ over \overline{DE} would be \triangle _____.
- d. The reflection of $\triangle DEF$ over line _____ would be $\triangle GEF$.
- e. If the entire pattern was folded over \overline{FG} , which triangles would reflect onto each other (2)?



Octahedron

5. Plot the point, then plot its reflection over the line $y = x$.

- A(4,-1) B(-2,-5)
- C(2,2) D(-3,6)

