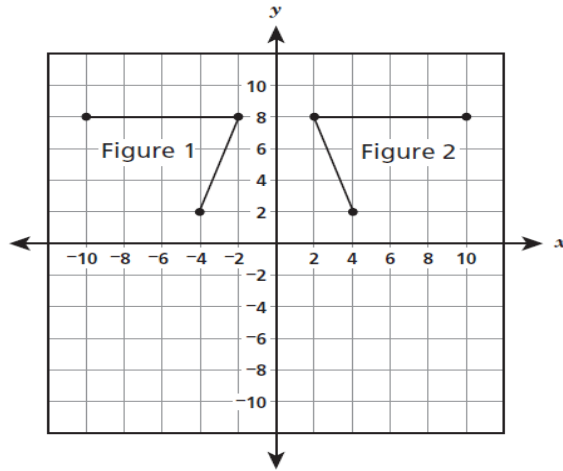


Name: _____
8.G.1

Date: _____

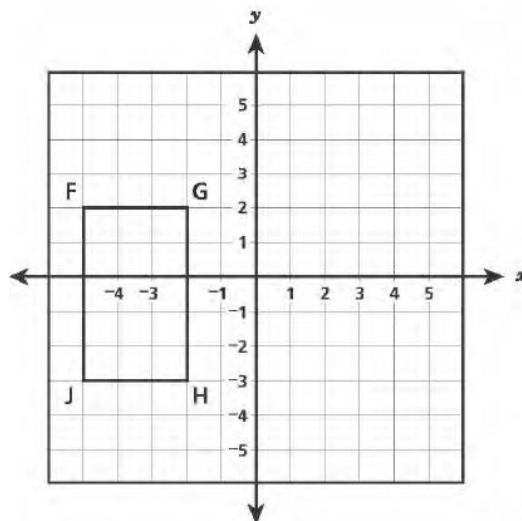
____1. Figure 1 can be transformed to create Figure 2 using a single transformation. (2014 8.G.1)



Which transformation can be used to accomplish this?

- A. dilation B. rotation C. reflection D. translation

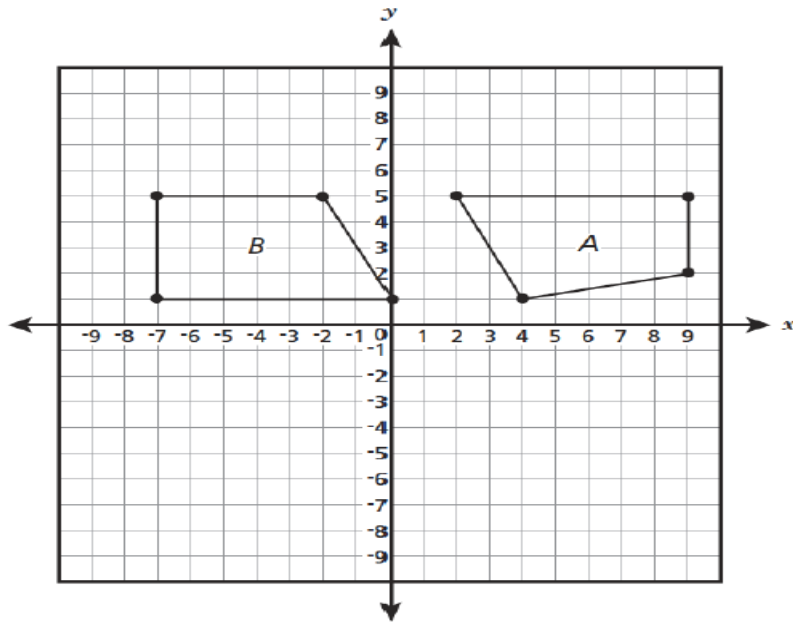
____2. Rectangle FGHI, shown below, is translated 6 units right and 1 unit up to produce rectangle F'G'H'I'. (2016 8.G.1) (no calculator)



Which statement about the side lengths of rectangle F'G'H'I' is true?

- A. $F'G' = 3$ and $G'H' = 5$ C. $F'G' = 9$ and $G'H' = 5$
B. $F'G' = 3$ and $G'H' = 6$ D. $F'G' = 9$ and $G'H' = 6$

3. Lily wants to define a transformation (or series of transformations) using only rotation, reflections, or translations that takes Figure A to Figure B. (2017 8.G.1)



Which statement about the transformation that Lily wants to define is true?

- A. It can be defined with two reflections.
- B. It can be defined with one rotation and one translation.
- C. It cannot be defined because Figure A and Figure B are not congruent.
- D. It cannot be defined because the longest side of Figure B is on the bottom.