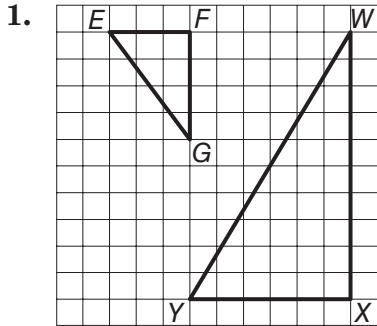


Lesson 3 Skills Practice

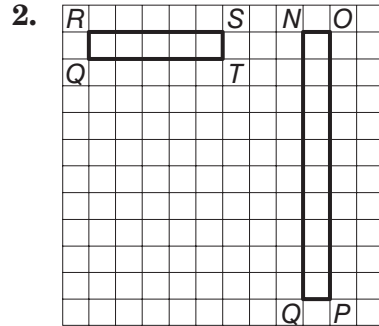
Similarity and Transformations

Determine if the two figures are similar by using transformations. Explain your reasoning.



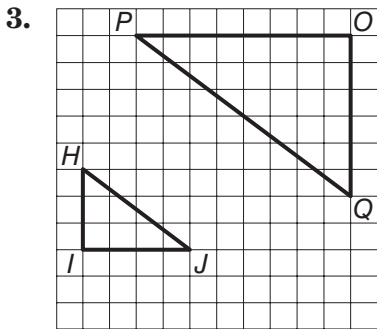
no; Sample answer: The ratios of the side lengths are not equal for all the sides;

$$\frac{YX}{WX} = \frac{3}{4}, \text{ while } \frac{EF}{GF} = \frac{6}{10}.$$

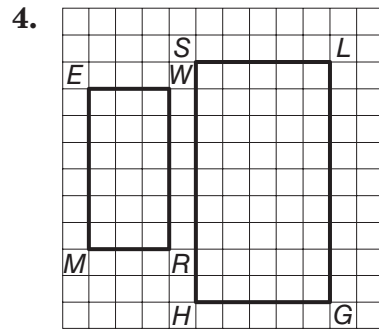


no; Sample answer: The ratios of the side lengths are not equal for all the sides;

$$\frac{RQ}{ON} = \frac{1}{1}, \text{ while } \frac{RS}{OP} = \frac{5}{10}.$$



yes; Sample answer: A rotation and a dilation with a scale factor of 2 maps $\triangle HIJ$ onto $\triangle QOP$.



no; Sample answer: The ratios of the side lengths are not equal for all the sides;

$$\frac{EW}{SL} = \frac{3}{5}, \text{ while } \frac{EM}{SH} = \frac{6}{9}.$$