Unit 1 Lesson 4 – Reflections Practice

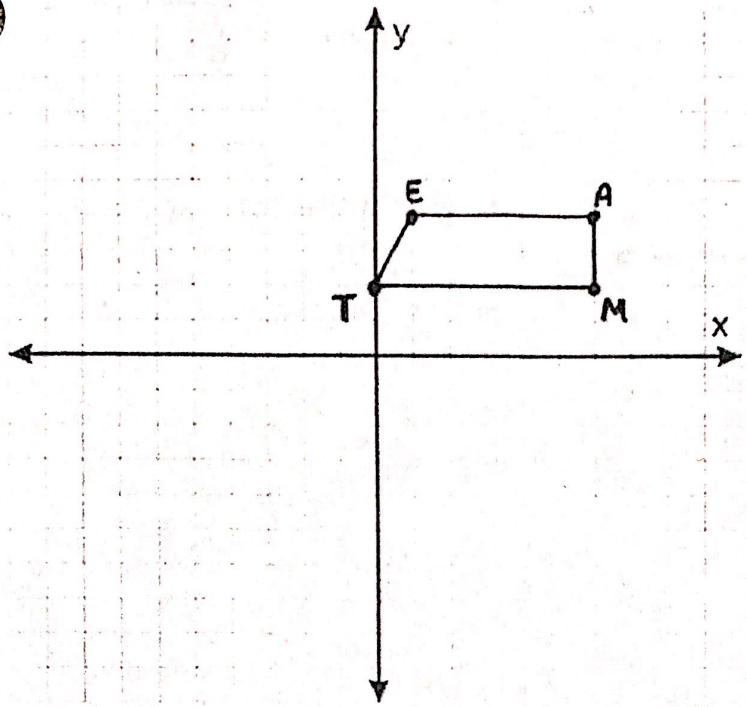

Figure $TEAM$ is reflected. After undergoing this rigid motion transformation, $A(6,4)$ maps to $A'(6,-4)$.

- What line is the figure reflected over?
- Write the function rule for the translation.
- Identify the image points T', E', M'.

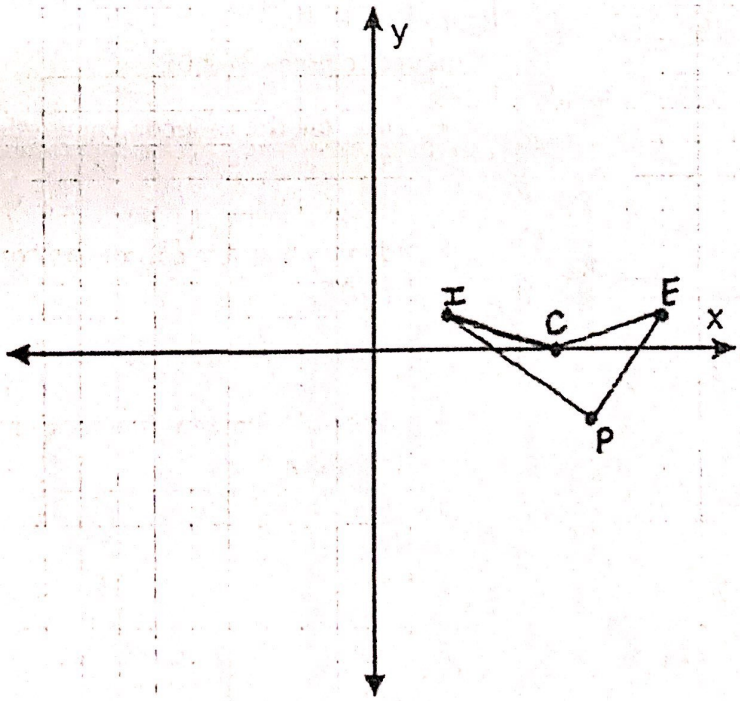

Figure $EPIC$ is translated using the function rule $f(x,y) = (-x,y)$

- Describe the transformation in words.
- Identify the mapping for each vertex.

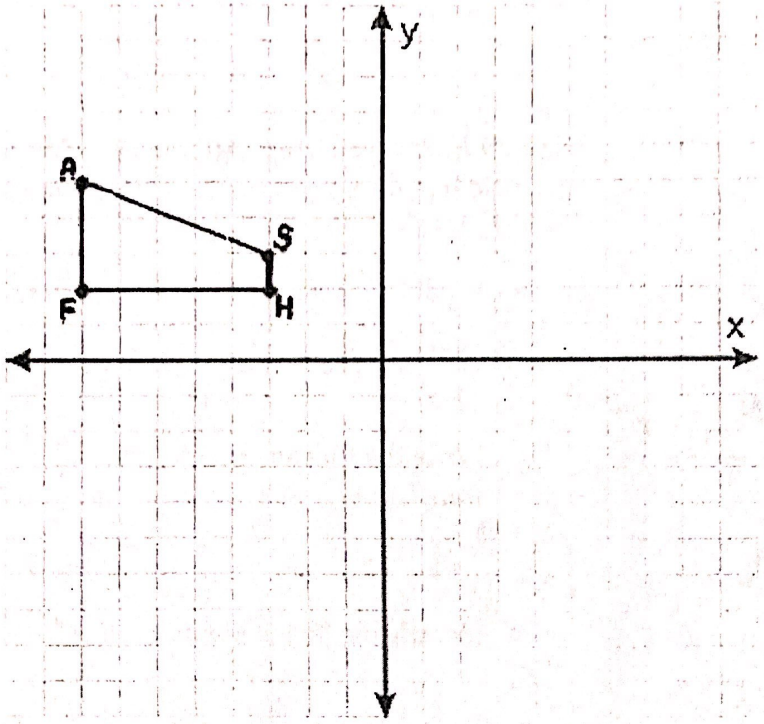

Figure $AFHS$ is reflected over the line $y = x$.

- Write the function rule for the translation.

- Identify the domain and range.

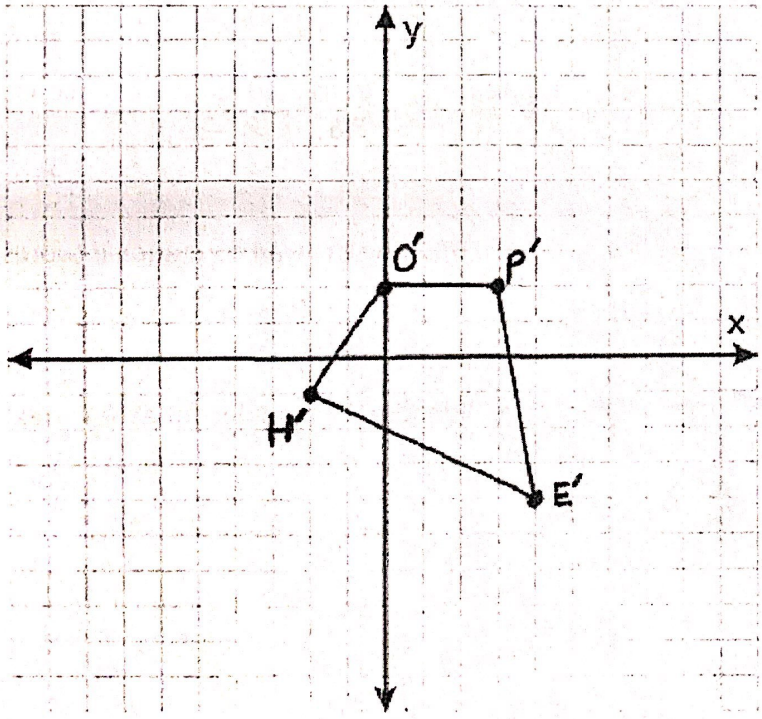

Figure $H'O'P'E'$ is transformed to create figure $HOPE$. Point E did not move and point O' moved to point O(-2,0).

- Describe the reflection in words.

- Identify possible coordinates of figure $HOPE$.

- Write the function rule for the transformation.