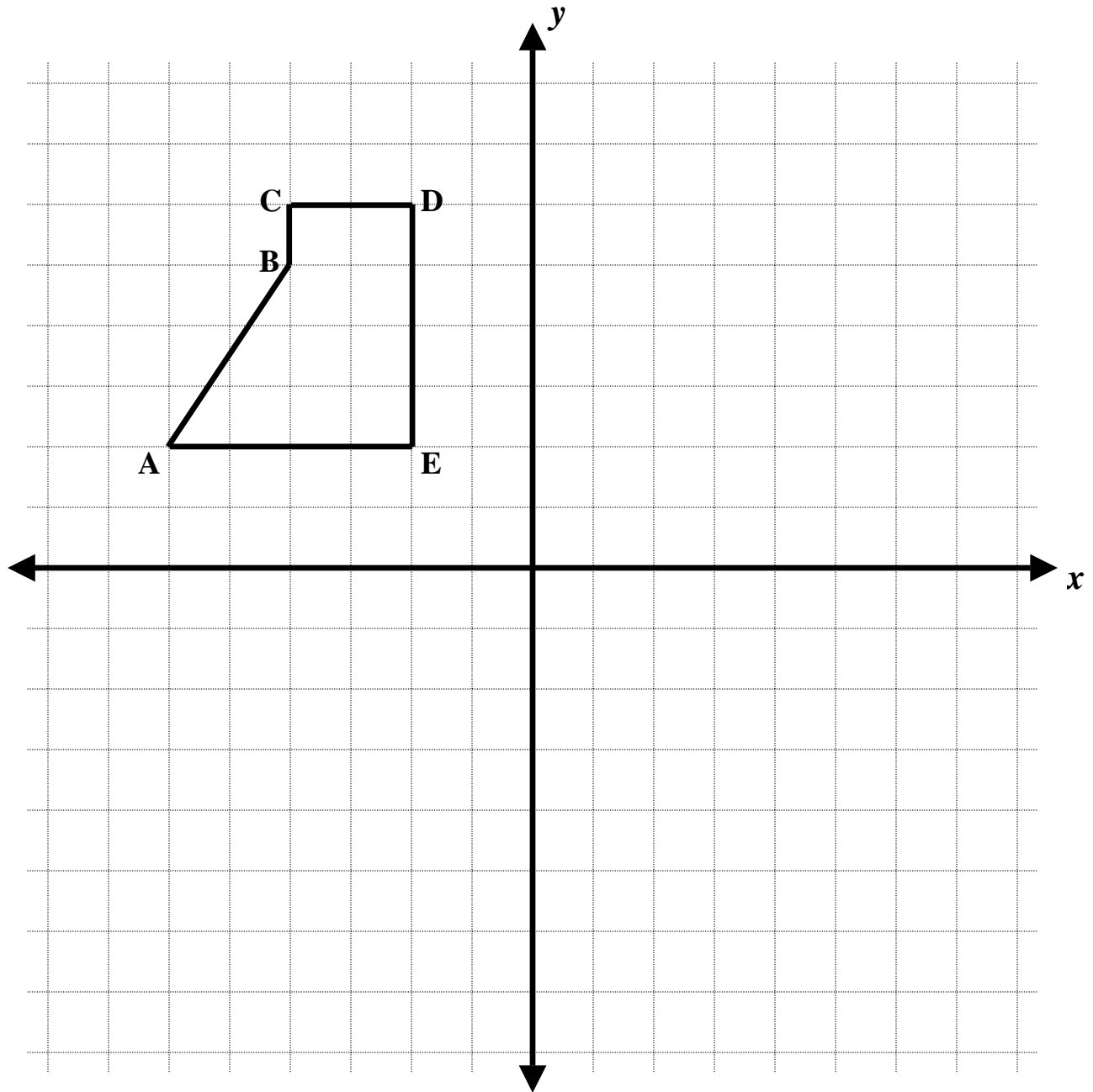


**Lab KHM 2.1**  
**Transformation Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

**Activity 1**



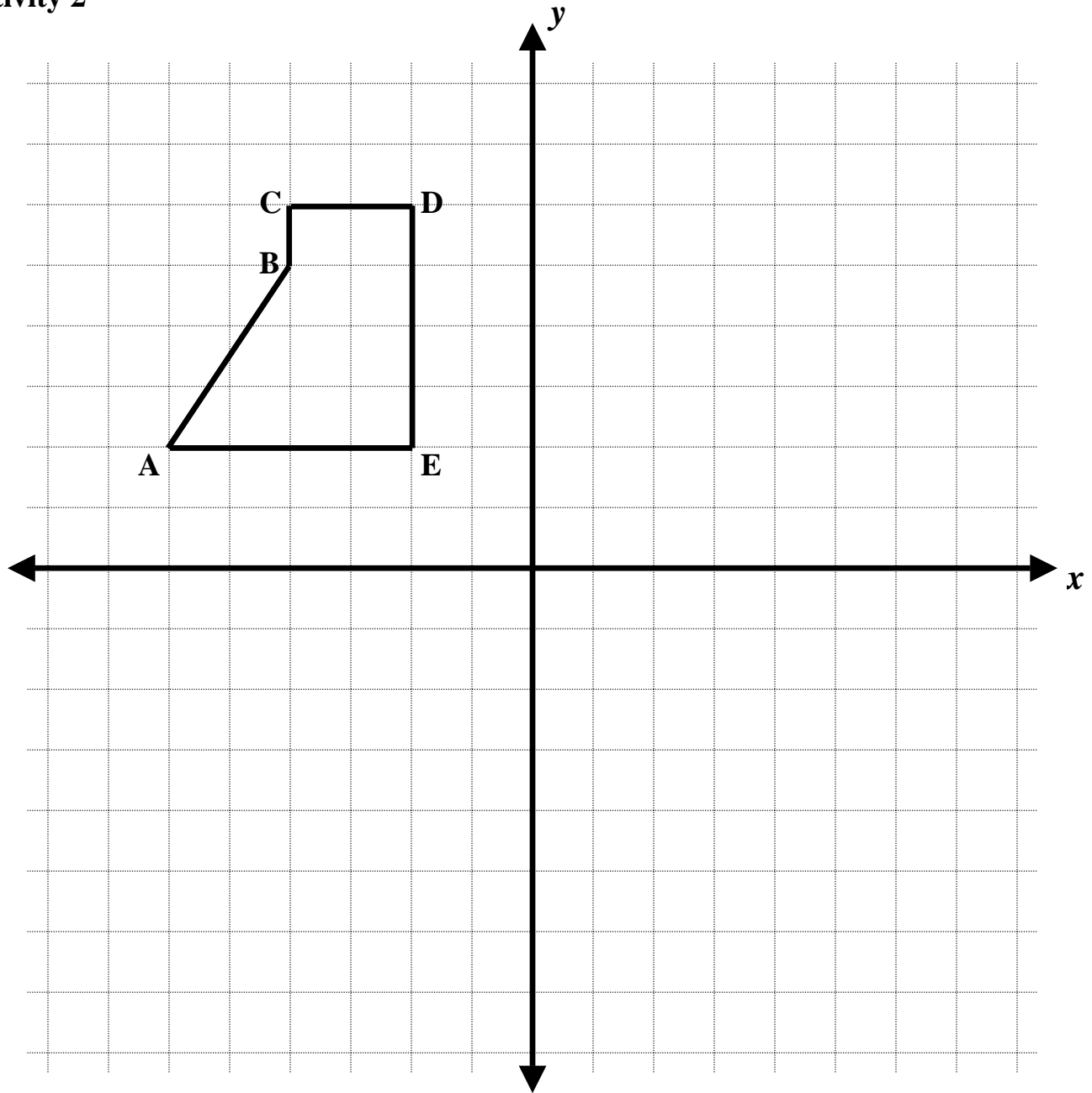
- 1) Draw a new figure as a **reflection** of the original over the  $y$ -axis. Label the image figure using prime notation.
- 2) Reflect the image over the  $x$ -axis. Draw the new image figure and label using prime notation (i.e. double-prime).

**Lab KHM 2.1**  
**Transformation Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

**Activity 2**



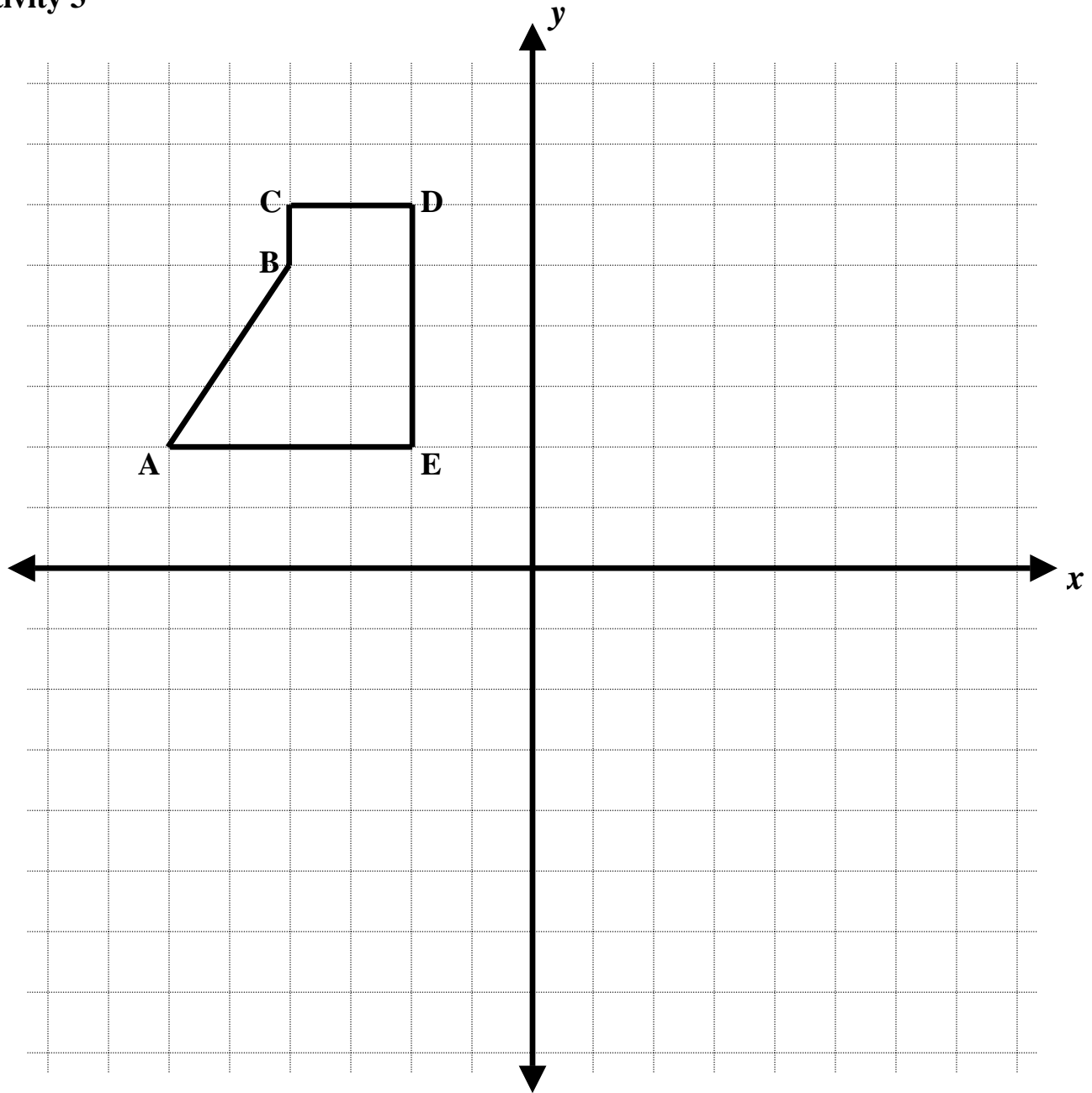
- 3) Draw a new figure as a **translation** (slide) 9 units to the right of the original location. Label the image figure using prime notation.
- 4) Translate the image 7 units down. Draw the new image figure and label using prime notation (i.e. double-prime).

**Lab KHM 2.1**  
**Transformation Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

**Activity 3**



- 5) Draw a new figure as a  $90^{\circ}$  rotation of the original about the origin. Label the image figure using prime notation.
- 6) Rotate the image  $90^{\circ}$  about the origin. Draw the new image figure and label using prime notation (i.e. double-prime).