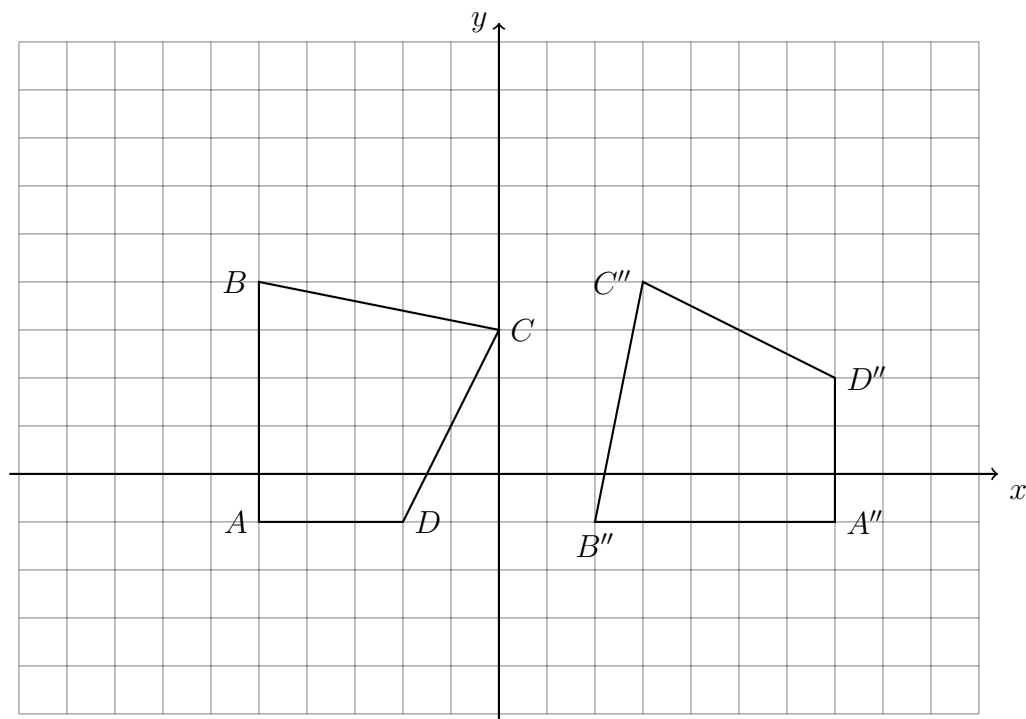


Name:

**8-6 Do Now: Transformation compositions**

1. Name the details required to completely specify each transformation.
  - (a) Translation: Answer: the change in  $x$  direction and in the  $y$  direction
  - (b) Reflection:
  - (c) Rotation:
  - (d) Dilation:
2. Quadrilateral  $ABCD$  undergoes two transformations mapping it onto  $A''B''C''D''$ , as shown below. Specify the two transformations in detail.



Rewrite each statement that is true and applies to this problem from the following list:

- Both transformations are rigid motions.
- The reflection preserves orientation.
- Lengths and angles are preserved so the quadrilaterals are congruent.