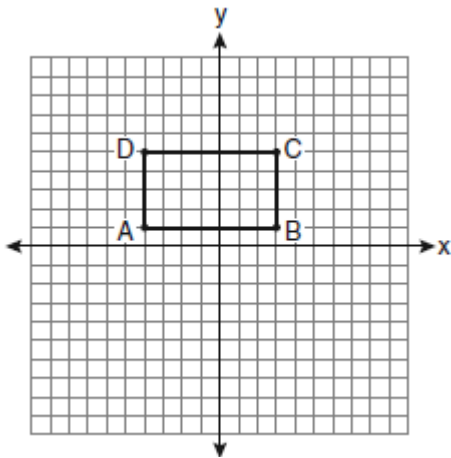


NAME: _____

G.G.57: Justify geometric relationships (perpendicularity, parallelism, congruence) using transformational techniques (translations, rotations, reflections)

1. 080908ge, P.I. G.G.57

On the set of axes below, Geoff drew rectangle $ABCD$. He will transform the rectangle by using the translation $(x, y) \rightarrow (x + 2, y + 1)$ and then will reflect the translated rectangle over the x -axis.



What will be the area of the rectangle after these transformations?

- [A] It cannot be determined from the information given.
- [B] less than 28 square units
- [C] greater than 28 square units
- [D] exactly 28 square units

[1] D