

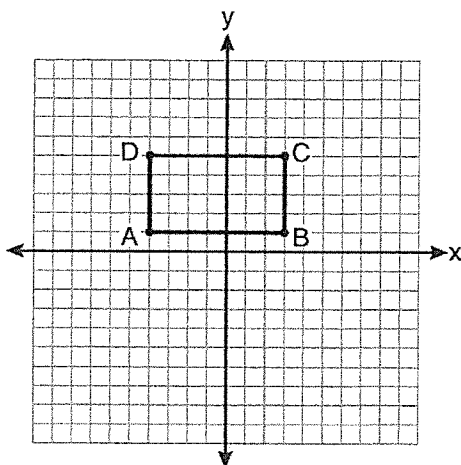
## **GEOMETRY 10b Lesson A: Week Four Mr. Dinallo**

Kalmy and Shloimy Akda, Akilov, Beckerman, Bensoussan, Pinsky, Tietelbaum, Wohlgemuth and Zagelbaum.

In order to answer these questions, you must review all three lessons: see  
Barron's pages 99 through 103

Use this space for computations.

- 8 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?

- (1) exactly 28 square units
  - (2) less than 28 square units
  - (3) greater than 28 square units
  - (4) It cannot be determined from the information given.
- 9 What is the equation of a line that is parallel to the line whose equation is  $y = x + 2$ ?
- (1)  $x + y = 5$
  - (2)  $2x + y = -2$
  - (3)  $y - x = -1$
  - (4)  $y - 2x = 3$
- 10 The endpoints of  $\overline{CD}$  are  $C(-2,-4)$  and  $D(6,2)$ . What are the coordinates of the midpoint of  $\overline{CD}$ ?
- (1) (2,3)
  - (2) (2,-1)
  - (3) (4,-2)
  - (4) (4,3)