

Geometry May 21 class 9a Lesson A: Mr. Dinallo

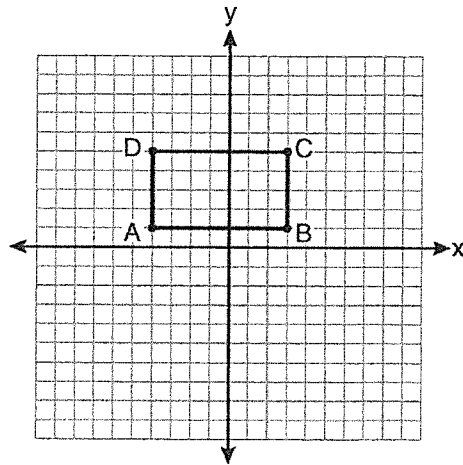
Arzoin, Blum, Czitter, Davis, Emir, Friedman, Klein, Lehrer,
Levine, Neiman, Silverman, Zahler, Zaltzman,

In order to answer questions 8, 9 and 10, you will need to
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)