

Test
2

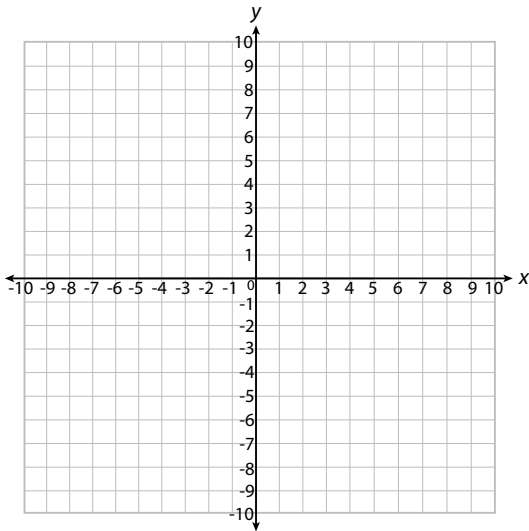
Practice Achievement Test

18. Mr. Jefferson wrote these equations on the board.

$$2x + 3y = 7$$

$$3x + 2y = 8$$

In your **Answer Document**, graph each equation on a coordinate plane such as the one shown below.



Which ordered pair is a solution for both equations?
If there is no ordered in common, explain why.

For question 18, respond completely in your **Answer Document**. (2 points)

19. Two cities along the same interstate highway are 176 miles apart from each other. The scale on the map is $\frac{1}{2}$ inch = 16 miles. How far apart on the map are the two cities?

- A. 5.5 in.
- B. 11 in.
- C. 16.5 in.
- D. 22 in.

Go to next page

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2**

20. The table shows the number of men and women that attended each of the last 6 town hall meetings.

Men	42	38	52	36	44	50
Women	36	44	50	48	56	42

Which of the following measures is greater for the men than the women?

- A. lower quartile
 - B. median
 - C. upper quartile
 - D. interquartile range
21. What is the difference of the following?

$$(4x^2 + 2x - 3) - (5x^2 - 4x + 3)$$

- A. $-x^2 + 6x - 6$
- B. $-x^2 - 2x - 6$
- C. $x^2 - 2x$
- D. $9x^2 - 2x$

Go to next page 