Algebra EOC Practice Test #2

Multiple Choice

Identify the choice that best completes the statement or answers the question.

Which of the following lines is perpendicular to the line y = -2?

a.
$$y = \frac{1}{5}x + 3$$

b.
$$y+3=-5(x+2)$$

c.
$$y=2$$

d.
$$x = -2$$

2. Mrs. Nelson is buying folding chairs that are on sale for \$10. If she has \$50, which inequality can be solved to show the number of chairs c she can buy?

c.
$$10c > 50$$

Find the union and intersection of the pair of sets.

$$M = \{1, 6, 8\}; N = \{3, 6, 8, 14, 15\}$$

a.
$$M \cup N = \{1, 3, 6, 8, 14, 15\};$$

$$M \cap N = \{6\}$$

b. $M \cup N = \{6, 8\}$;

$$M \cap N = \{1, 3, 6, 8, 14, 15\}$$

$$M \cap N = \{6, 8\}$$

d.
$$M \cup N = \{1, 3, 6, 8\};$$

$$M \cap N = \{6, 8\}$$

Find the x- and y-intercepts.



- a. x-intercept: -10, y-intercept: 5
- b. x-intercept: 5, y-intercept: 10
- c. x-intercept: 10, y-intercept: -5
- d. x-intercept: 10, y-intercept: 5

Algebra 1 Texas Eoc Coach Test

Yicheng Fang

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