Name _____ Date _____ Class _____

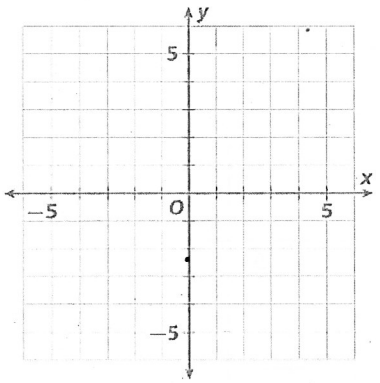
LESSON 4-3

Graphing Linear Nonproportional Relationships Using Slope and y-Intercept

Practice and Problem Solving: A/B

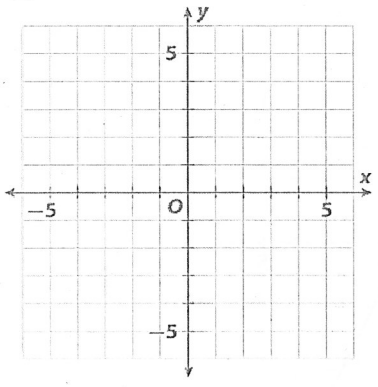
Graph each equation using the slope and the y-intercept.

1. $y = 2x - 1$



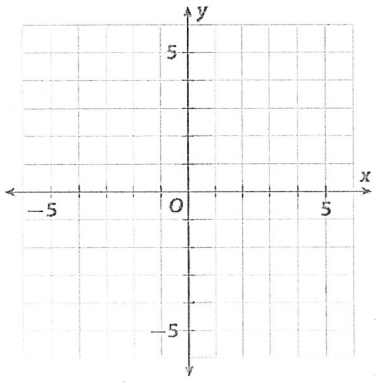
slope = _____ y-intercept = _____

2. $y = \frac{1}{2}x + 3$



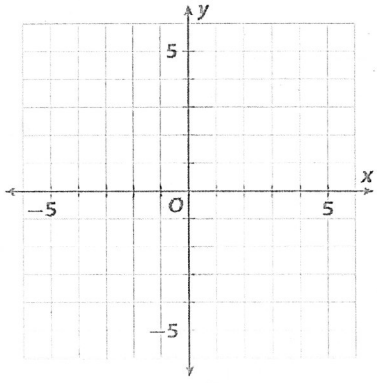
slope = _____ y-intercept = _____

3. $y = x - 4$



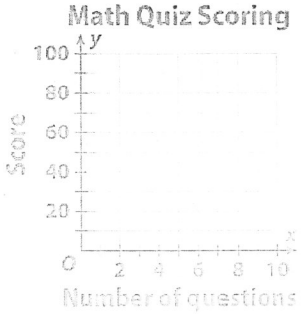
slope = _____ y-intercept = _____

4. $y = -x - 2$



slope = _____ y-intercept = _____

5. The equation $y = 15x + 10$ gives your score on a math quiz, where x is the number of questions you answered correctly.



a. Graph the equation.

b. Interpret the slope and y-intercept of the line.

_____

_____

c. What is your score if you answered 5 questions correctly?

_____

Name _____ Date _____ Class _____

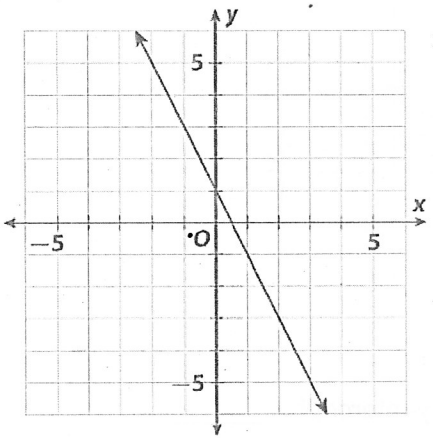
LESSON 4-3

Graphing Linear Nonproportional Relationships Using Slope and *y*-Intercept

Practice and Problem Solving: D

Graph each equation using the slope and the *y*-intercept.
The first one is done for you.

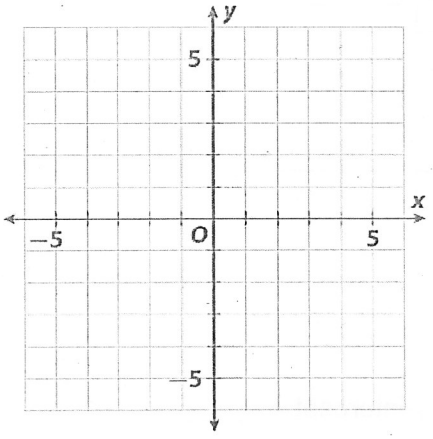
1. $y = -2x + 1$



slope = −2

y-intercept = 1

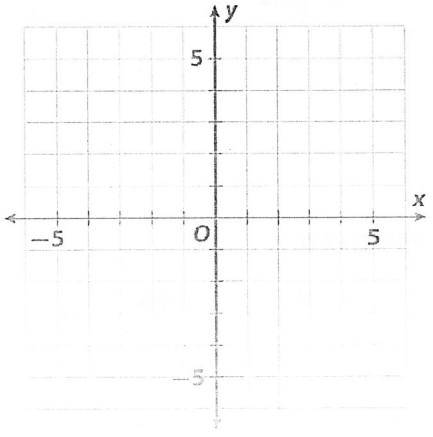
2. $y = 3x - 2$



slope = _____

y-intercept = _____

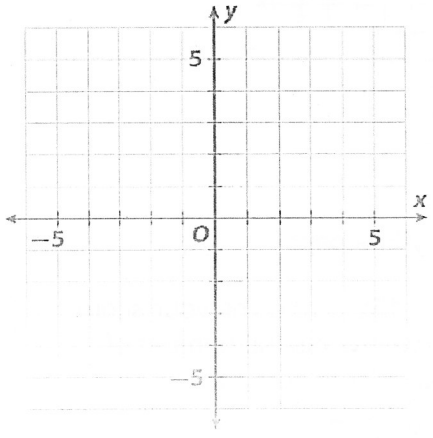
3. $y = \frac{1}{3}x + 1$



slope = _____

y-intercept = _____

4. $y = -x + 3$



slope = _____

y-intercept = _____