

C5L3 Notes

Slope-Intercept Form

State the slope and y-intercept of the equation of the line.

1. $y =$

2. $y =$

3. $x =$

4. $y =$

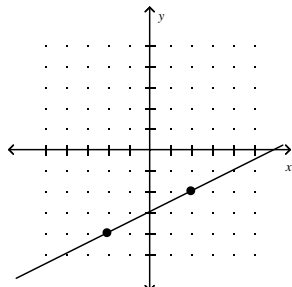
Write an equation in slope-intercept form of the line with the given slope and y-intercept.

5. slope =
b = (0,)

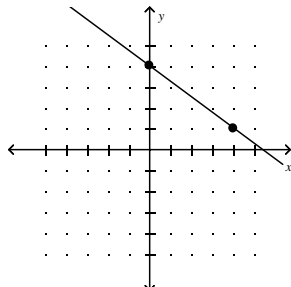
6. slope =
b = (0,)

Write an equation in slope-intercept form of each line.

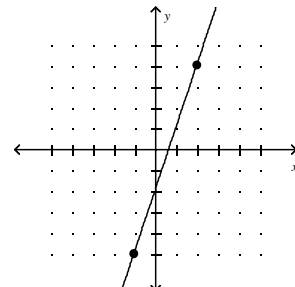
7.



8.

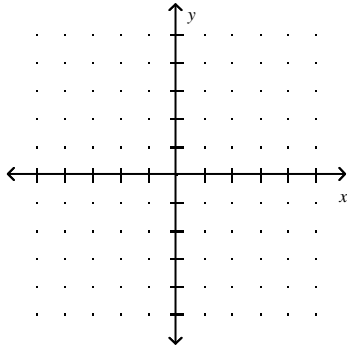


9.

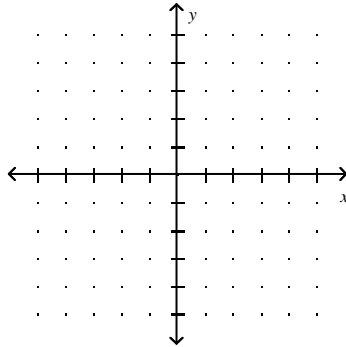


Graph each equation.

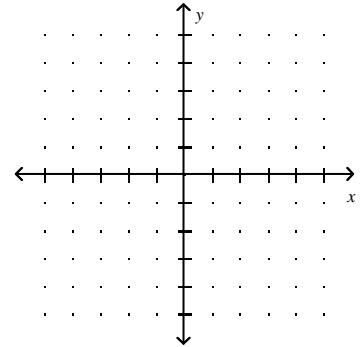
10. $y =$



11. $y =$



12. $y =$



Write the equation of the line in slope-intercept form.

13.

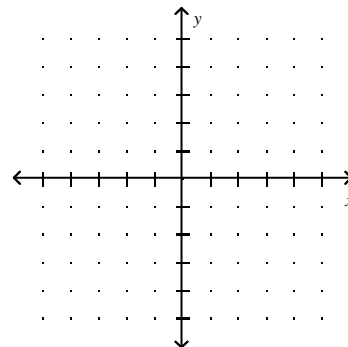
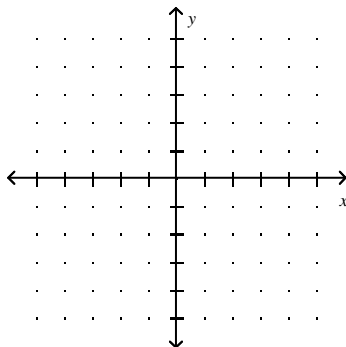
14.

15.

Write the equation in slope-intercept form, then graph the equation of the line.

16.

17.



18. Jeremy's pay started at \$_____ per week. Every year his pay will increase by \$_____ per week. Write an equation that models his weekly pay after x years.

19. Hector has a \$____ off coupon at Brenda's Bagels. Bagels cost \$_____ per dozen. Write an equation that models the total amount of money, y , Hector owes if he buys x dozens of bagels.

20. A plumber charges a \$_____ fee for a repair plus \$_____ per hour. Write an equation to model the total cost, y , of a repair that takes x hours.

21. When Phil started his new job, he owed the company \$_____ for his uniforms. He is earning \$_____ per hour. The cost of his uniforms is withheld from his earnings. Write an equation that models the total money he has, m , after h hours of work.

22. Karissa earns \$_____ per week plus \$_____ per item she sells. Which equation models the relationship between her pay, p , per week and the number of items n she sells?