

Name: _____ Date: _____ Per: _____

Write Equations in Slope-Intercept Form

5.2 Practice 3

Write the equation of the line that passes through each point with the given slope.

1. $(-5, 4)$, $m = -3$ 2. $(4, 3)$, $m = \frac{1}{2}$ 3. $(1, -5)$, $m = -\frac{3}{2}$

Write the equation of the line that passes through each pair of points.

4. $(0, -4)$, $(5, -4)$ 5. $(-4, -4)$, $(4, 0)$ 6. $(-2, -3)$, $(4, 5)$

7. $(0, 1)$, $(5, 3)$ 8. $(-3, 0)$, $(1, -6)$ 9. $(1, 0)$, $(5, -1)$

Write an equation of the line that has each pair of intercepts.

10. x -intercept: 2, y -intercept: -5 11. x -intercept: 2, y -intercept: 10

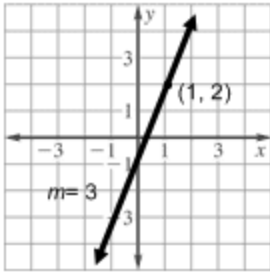
12. x -intercept: -2 , y -intercept: 1 13. x -intercept: -4 , y -intercept: -3

14. DANCE LESSONS The cost for 7 dance lessons is \$82. The cost for 11 lessons is \$122. Write a linear equation to find the total cost C for l lessons. Then use the equation to find the cost of 4 lessons.

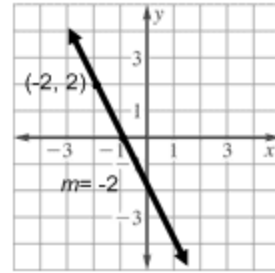
15. WEATHER It is 76°F at the 6000-foot level of a mountain, and 49°F at the 12,000-foot level of the mountain. Write a linear equation to find the temperature T at an elevation e on the mountain, where e is in the thousands of feet.

Write the equation of the line graphed.

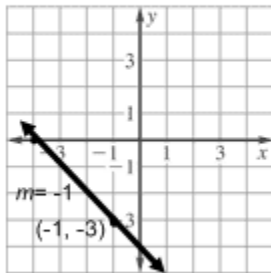
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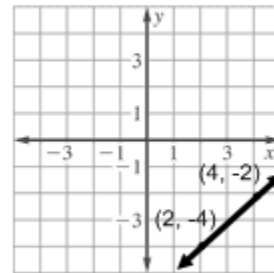
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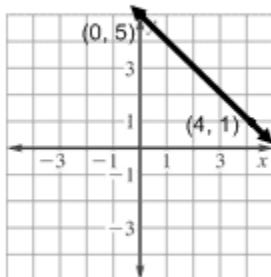
18.



19.



20.



21.

