

Name _____

Date _____

Period ____

Algebra 2 // Unit 2 // 2.3 // Practice 1

2008-2009

A. Find the slope (m) of the line that passes through the given points.

1. (3, 2) and (5, 7)

2. (-1, 8) and (3, 4)

3. (3, -2) and (-5, 0)

4. (1, -9) and (3, -6)

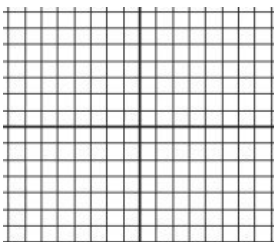
5. (5, 4) and (5, -1)

6. (-2, -7) and (4, -7)

B. Graph each line given the slope and point on the line.

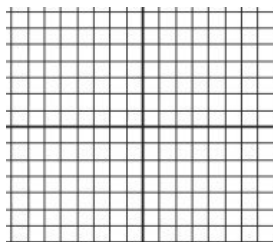
7. $m = -3$

(2, 5)



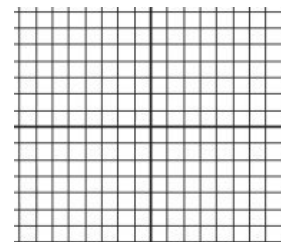
8. $m = 1$

(-6, 0)



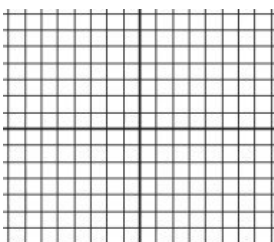
9. $m = \frac{1}{4}$

(1, -3)



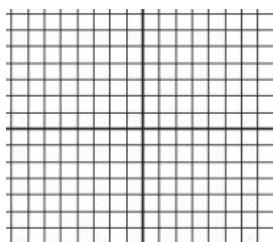
10. $m = -\frac{1}{2}$

(0, 4)



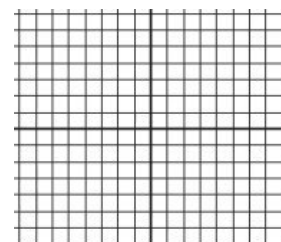
11. $m = 0$

(-3, 2)



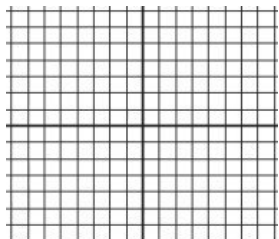
12. $m = \text{undefined}$

(1, 1)

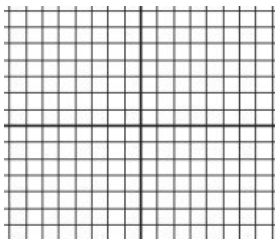


C. Graph the following lines in slope-intercept form.

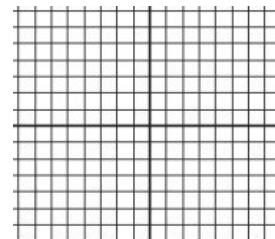
13. $y = 2x - 4$



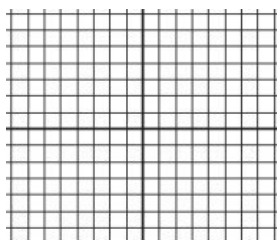
14. $y = -x + 3$



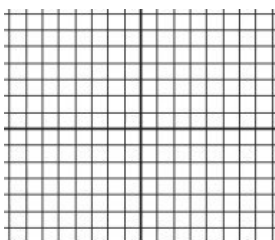
15. $y = \frac{1}{4}x$



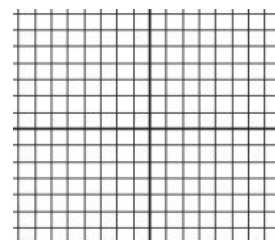
16. $y = -2$



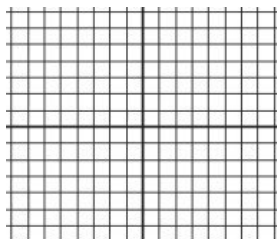
17. $y = 4x - 1$



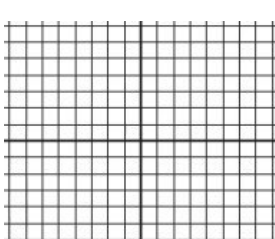
18. $y = -\frac{2}{3}x + 2$



19. $y = x$



20. $x = 4$



21. $y = -3x + 4$

