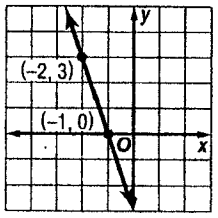
NAME _____ DATE _____ PERIOD ____

5-1 Practice

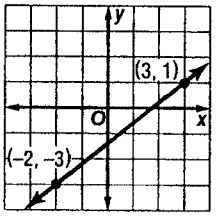
Slope

Find the slope of the line that passes through each pair of points.

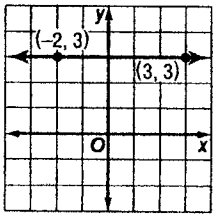
1.



2.



3.



4. (6, 3), (7, −4)

5. (−9, −3), (−7, −5)

6. (6, −2), (5, −4)

7. (7, −4), (4, 8)

8. (−7, 8), (−7, 5)

9. (5, 9), (3, 9)

10. (15, 2), (−6, 5)

11. (3, 9), (−2, 8)

12. (−2, −5), (7, 8)

13. (12, 10), (12, 5)

14. (0.2, −0.9), (0.5, −0.9)

15. $\left(\frac{7}{3}, \frac{4}{3}\right), \left(-\frac{1}{3}, \frac{2}{3}\right)$

- ALL WORK ON LOOSELEAF.
- (Ex) (3, −6), (5, 1)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{1+6}{5-3} \quad \boxed{\frac{7}{2} = m}$$

- Do both pages!
- See Ch. 5-1 and 5-3 for examples.

NAME _____ DATE _____ PERIOD ____

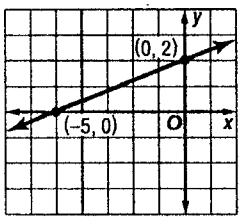
5-3 Practice

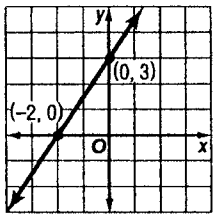
Slope-Intercept Form

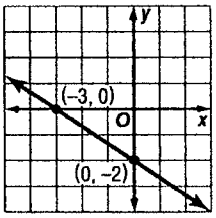
Write an equation of the line with the given slope and *y*-intercept.

1. slope: $\frac{1}{4}$, *y*-intercept: 3
2. slope: $\frac{3}{2}$, *y*-intercept: -4
3. slope: 1.5, *y*-intercept: -1
4. slope: -2.5, *y*-intercept: 3.5

Write an equation of the line shown in each graph.

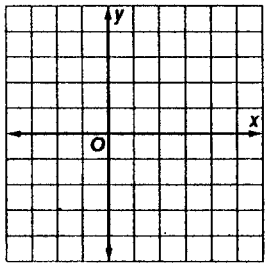
5. 

6. 

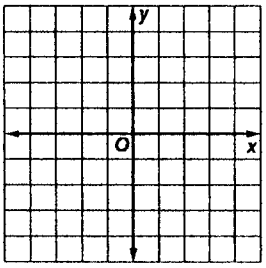
7. 

Graph each equation.

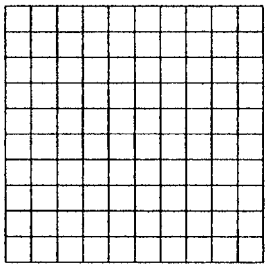
8. $y = -\frac{1}{2}x + 2$



9. $3y = 2x - 6$



10. $6x + 3y = 6$



- Graphs may be on this page (or on graph paper).
- All other work on looseleaf.