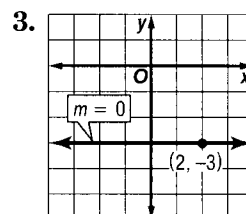
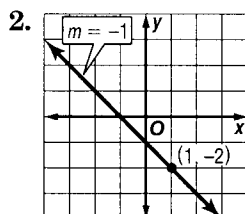
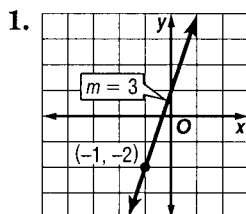
**5-5 Skills Practice****Writing Equations in Point-Slope Form***P-S Form*

$$y - y_1 = m(x - x_1)$$

Write the point-slope form of an equation for a line that passes through each point with the given slope.

*
ALL
WORK
ON
looseleaf



4. $(3, 1), m = 0$

5. $(-4, 6), m = 8$

6. $(1, -3), m = -4$

7. $(4, -6), m = 1$

8. $(3, 3), m = \frac{4}{3}$

9. $(-5, -1), m = -\frac{5}{4}$

Write each equation in standard form.

STANDARD FORM

$$Ax + By = C$$

• A must be positive.
• A, B, C must not be fractions.

10. $y + 1 = x + 2$

11. $y + 9 = -3(x - 2)$

12. $y - 7 = 4(x + 4)$

13. $y - 4 = -(x - 1)$

14. $y - 6 = 4(x + 3)$

15. $y + 5 = -5(x - 3)$

16. $y - 10 = -2(x - 3)$

17. $y - 2 = -\frac{1}{2}(x - 4)$

18. $y + 11 = \frac{1}{3}(x + 3)$

Write each equation in slope-intercept form.

S-I Form

$$y = mx + b$$

19. $y - 4 = 3(x - 2)$

20. $y + 2 = -(x + 4)$

21. $y - 6 = -2(x + 2)$

22. $y + 1 = -5(x - 3)$

23. $y - 3 = 6(x - 1)$

24. $y - 8 = 3(x + 5)$

25. $y - 2 = \frac{1}{2}(x + 6)$

26. $y + 1 = -\frac{1}{3}(x + 9)$

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