Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

**Slope & Slope-Intercept Form of Equations**

**Find the slope of the line that goes through the following pairs of points.**

1. (2,3) and (4,5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. (-3,1) and (7,9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. (-2,7) and (1,-12) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. (1,-2) and (4,-2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. (2,1) and (2,-3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. (1,7) and (3,10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. (4,3) and (2,4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. (-4,-3) and (2,3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. (10,12) and (-8,-8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. (10,10) and (0,-8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For each equation, identify the slope and y-intercept as an ordered pair.**

1. $y=3x+5$ slope:\_\_\_\_\_\_ y-intercept as an ordered pair: \_\_\_\_\_\_
2. $y=x-1$ slope:\_\_\_\_\_\_ y-intercept as an ordered pair: \_\_\_\_\_\_
3. $y=-\frac{2}{7}x-1$ slope:\_\_\_\_\_\_ y-intercept as an ordered pair: \_\_\_\_\_\_
4. $y=-5x+10$ slope:\_\_\_\_\_\_ y-intercept as an ordered pair: \_\_\_\_\_\_
5. $y=-x$ slope:\_\_\_\_\_\_ y-intercept as an ordered pair: \_\_\_\_\_\_

**Write an equation in slope-intercept form when given the slope and y-intercept.**

**Remember:** $y=mx+b$

1. slope: -6, y-intercept: (0,8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. slope: $\frac{3}{4}$, y-intercept: (0,-1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. slope: -2, y-intercept: (0, 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. slope: $\frac{4}{5}$, y-intercept: (0,-2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. slope: $-\frac{7}{9}$, y-intercept: (0,0) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_