**Slope Worksheet**

**Find the slope of the line through the points. Graph the two points. Write an equation for the line in slope-intercept form based on graph.**

1. (-4 , 8) (6 , 6)
2. (1 , 4) (1 , -7)
3. (-5 , 4) (3 , 4)
4. (-2 , -4) (4 , 2)
5. (-3 , 1) (-3, -2)
6. (5 , 8) (0 , 5)
7. (-6 , -2) (6 , -7)
8. (9 , -8) (15 , -8)
9. (12 , 22) (-20 , 19)

**Find the unknown value(s) using the given slope and points.**

1. m = $\frac{7}{4}$ (x , -7) (16 , 0)
2. m = 0 (0 , 7) (3 , y)
3. m = $\frac{1}{2}$ (-8 , 4), (x , 2), (6 , y)
4. m = -4 (2 , y), (-1, 1), (x , -19)

**The given points are vertices of a triangle. Plot the points in a coordinate plane and connect the points to form a triangle. Then find the slope of each side of the triangle.**

1. **A** (0 , 0), **B** (0 , 8), **C** (6 , 0)
2. **D** (-3 , 4) **E** (4 , 1), **F** (-1 , -7)