**Algebra Chapter 5 Test 2**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write the equation that describes each line in slope intercept form**

**(y = mx + b)**

1. Slope = 2, (1,3) is on the line

2. slope = -5, (-6,4) is on the line

3. (1,4) and (3,8) are on the line

4. Slope = 5 y-int = -3

5. (-2,4) and (-1,6) are on the line

6. Passes through (1,-1) and is parallel to the line described by y = 2x -4

7. Passes through (3,2) and is perpendicular to the line described by y = 3x -1

**Graph the following lines.**

8. y = 2x + 4

9. 3x – 2y = 10

10. y – 3 = 2/3(x + 4)

11. Slope = 1/3 y – int = 5

12. Slope = -4/5 Point (1,2)