**Write the equation of the line that passes through the given y-intercept and given slope.**

1. m = 3, b = -3 2. m =, b = 15

**State the negative reciprocal of the given slope.**

1. m =  2. m = –6 3. m =  4. m = 9

**Write the equation of the line that passes through the given point and given slope.**

3. Passes through (2, 3) and slope is 5.

4. Passes through (6, -5) and slope is 

5. Passes through (5, -2) and slope is 0. Remember: You can always check the b

by graphing. Plot the point and move by

counting the slope till you cross the y-axis.

**Write the equation of a line given two points.**

6. Passes through (4, -3) and (3, -6) 7.

**Write the equation of a line given two points and must be parallel or perpendicular to another line.**

8. Passes through (3, 2) 9. Passes through (4, 0)

Parallel to  Perpendicular to 2x + y = 1

**Are these equations parallel, perpendicular, or neither?**

10. *l:*  *h:*  11. *q:*  *w:* 

12. Which lines are //? Which are ⊥? A graph may help.

x = 4

y = –4

y = 4x