Double Block Algebra
Linear – Standard Form Part 2

Name:
Block:

For problems 1 – 6, find the x and y intercept of each equation.

1. 1/3x + 9y = 9

2. 14 = -2x + 6y

3. 8x + 2y = 16

4. 2/5x + 3y = 15

5. Y = 8x – 14

6. 2y – 1/2x = -6

For problems 7-9, determine if the lines are parallel, perpendicular, or neither.

7. 8x + 2y = 5
4x + y = -10

8. y = 3/2x – 6
-6x + 4y = 0

9. 30 = 2y + 16x
y = 1/8x – 9

10. Write an equation in slope-intercept form that is perpendicular to 2x + 3y = 12 and has the same y-intercept as the equation -3x + y = 14.

11. Write an equation in slope-intercept form that is parallel to 4y – 8x = 12 and has the same y-intercept as the equation -16 + 2x = y.

12. Write an equation in slope-intercept form that is parallel to -6x + 12y = 10 and goes through the point (1,7).

For problems 13 and 14, write an equation in standard form from the given table.

13.

X	F(x)
0	2
4	5
6	6.5
8	8
10	9.5
12	11

14.

X	Y
-2	9
-1	8
0	5
1	3
2	1
3	-1

15. When the Detroit Road Commission decided to repave the roads, they decided they would only repave roads that had an A-Value larger than or equal to 2, when the road was put into standard form. Given the road map below, figure out which roads will be repaved.