Math 10C Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Linear Functions Assignment

1. Given the following equations, change to slope y-intercept form
2. 
3. 
4. 
5. 
6. Given the following equations, change to general form.
7. 
8. 
9. 

d. 

1. Given the points write the equation in three ways and then find the x and y intercepts; follow the steps in the chart.

|  |  |  |
| --- | --- | --- |
| Points | A (-10, 3) and B(5,-6) | C(-3, -2) and D( 1, 6)  |
| Slope |  |  |
| General Form |  |  |
| Slope y-intercept form |  |  |
| Find the points on the line; |  |  |

1. Given the following equations of lines, write the equation in another format.

|  |  |
| --- | --- |
| Slope y-intercept | General |
|  |  |
|  |  |

1. Given the following lines, determine the x-intercept and y-intercept

|  |  |  |
| --- | --- | --- |
| Equation | x-intercept | y-intercept |
|  |  |  |
|  |  |  |

1. Write the equation of a new line in general form, given that it passes through the point

 (-2, 5) and is parallel to 

1. Write the equation of a new line in general form, given that it passes through the point (5, -1) and is perpendicular to 
2. Write the equation of a new line in general form, given that it passes through the point (1, 5) and is parallel to 
3. Write the equation of a new line in general form, given that it passes through the point (6, -7) and is perpendicular to 
4. Write the equation of a new line in slope y-intercept form, given that it passes through the point (0, -2) and is parallel to 
5. Write the equation of a new line in slope y-intercept form, given that it passes through the point (3, 5) and is perpendicular to 