**Perpendicular and Parallel Lines**

Put the equation into function form and graph the linear equation by finding the slope and y-intercept. After you graph by hand, graph the equation using Geogebra.

1. *2x + 2y = 8*
2. *-3y = 6 – 12*
3. *2/3x = y – 5*

Graph the linear equations on the same coordinate system using Geogebra. Are the lines perpendicular, parallel or neither? Justify your answer.

1. *4y = 2x + 4*

*-1/2x = 3 – y*

1. *3y -1 = -12x*

*1/4x –y = 2*

1. *5x + 3y + 7 = 0*

*-x + 6 = y*