Algebra 1 Honors 4.5 & 4.7 Assignment Name:_____ Mod:_____

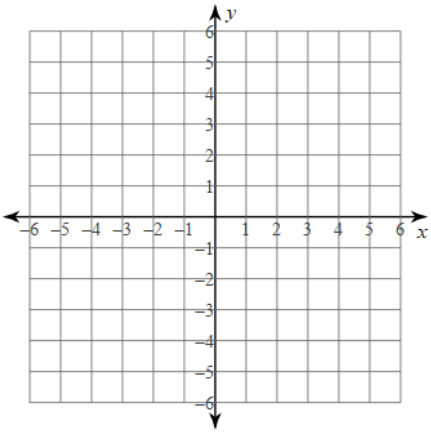
Put each equation into slope-intercept form. Then, state the slope and the y-intercept, and use both to sketch the graph. Plot at least 3 points per line (this includes the y-intercept). ALL points must fit on the graph provided. **Remember the different ways we can write the slope!!** Connect the points with a ruler. **4 pts each**

1.) $-4y = x - 16$

Slope-intercept form:

Slope=

y-intercept =

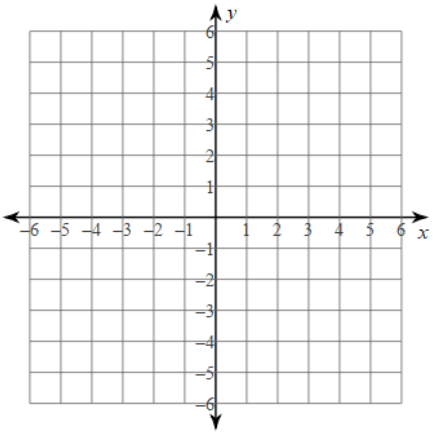


2.) $3x + 3y = -9$

Slope-intercept form:

Slope=

y-intercept =

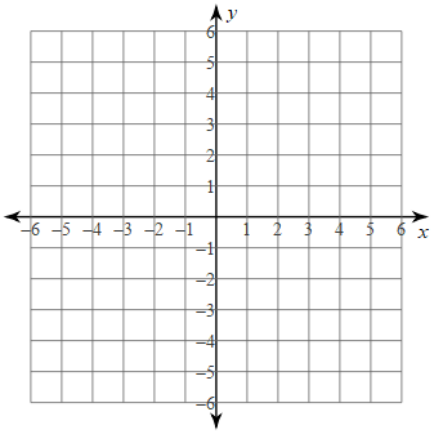


3.) $y + 1 = -\frac{3}{4}x$

Slope-intercept form:

Slope=

y-intercept =

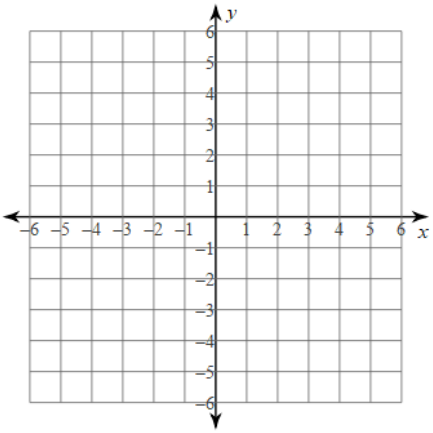


4.) $-y - 3x = 5$

Slope-intercept form:

Slope =

y-intercept =



5.) Given $f(x) = 2x + 13$, find the following. Fractions should be simplified, but can be left improper. (2 pts each)

a.) $f(-1)$

b.) $f(-\frac{1}{3})$

c.) $f(x) = 0$

d.) $f(x) = 27$

6.) Given $g(x) = -\frac{1}{2}x - 2$, find the following. Fractions should be simplified, but can be left improper.

a.) $g(-2)$

b.) $g(7)$

c.) $g(x) = 6$

d.) $g(x) = -1$