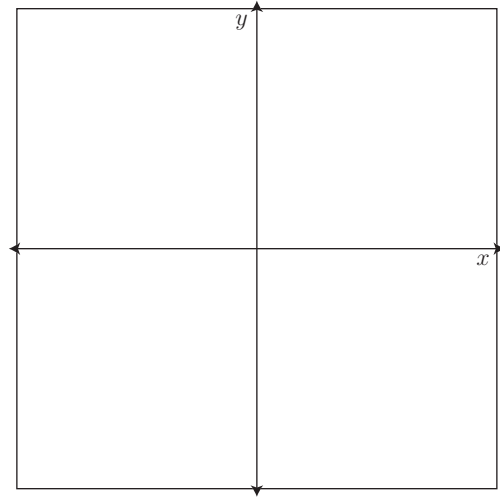More Notes on Linear Equations

1. Sketch lines with the indicated slopes.
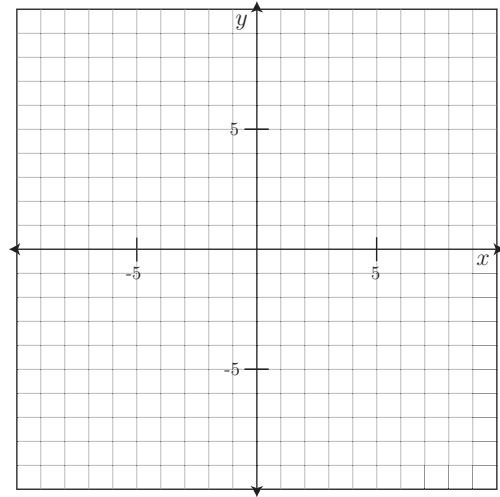
(a) m is positive and large.

(b) m is positive and close to zero.

(c) m is negative and close to zero.

(d) $m < -2$

2. Graph two different lines with slope $\frac{3}{4}$.

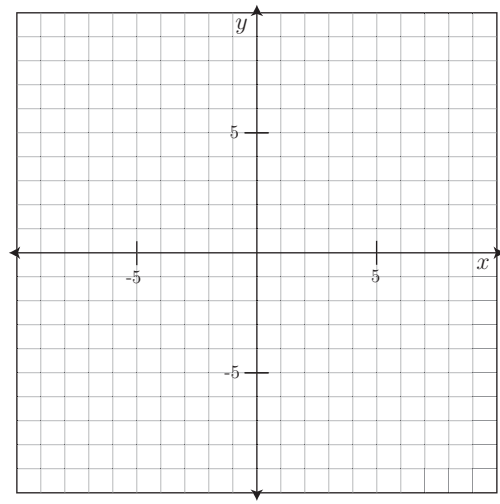3. Write the equation of a line parallel to $y = \frac{2}{3}x - 4$.

4. Make a table for the equation $y = \frac{7}{2}x + 3$.

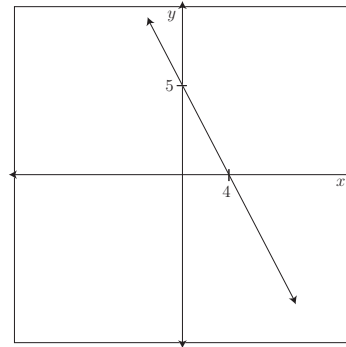| x					
y					

5. Find the equation for the table below.

x	-6	-3	0	3	6
y	12	7	2	-3	-8

6. Graph the equation $y = \frac{2}{3}x - 4$

7. Write the equation of the line below.

8. A taxi charges 20¢ per mile and a $3 pick-up fee. Write an equation for the charge, C, of a taxi ride that lasts a distance of d miles.

9. Rent-a-Dump car rental company rents cars for $25 per day. They also have a mandatory one time insurance charge of $34.

   (a) Write an equation for the cost, C, of renting a car from Rent-a-Dump when it is driven for d miles.

   (b) Use your equation to predict the cost of renting the car for a week.