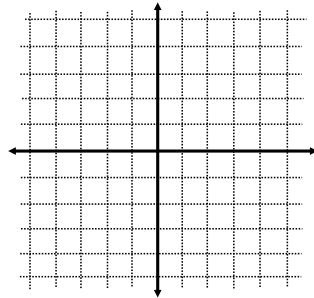## 6.4 Slope-Intercept Form
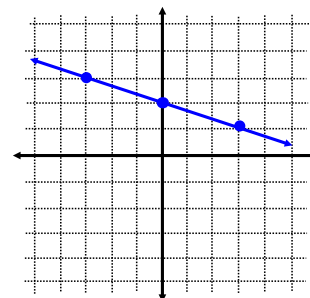
[ ]

ex. A line passes through (0, 5) and has a slope of -3/4. Write the equation of this line.

Ex. Graph $y = -\dfrac{5}{4} x + 2$

ex. Write the equation of this line

ex. Tickets to a school dance cost $5 and the organizers must pay $300 for the DJ.

a) Write the equation that relates the profits (P) based on the number of ticket (x) sold.

b) What is the profit if 123 people come to the dance?

c) If the profits are $350, how many tickets were sold?

Homefun: pg. 362 #4abef, 5acde, 6abc, 7abce, 8-14, 16, 17, 19, 21-23