<p style="text-align:center">Math 10 – slope and y-intercept</p>

1. Graph the following equations in your graphing calculator and sketch it in your notebook.
    i. What is the slope of each graph?
    ii. What is the value of the graph when x=0 (the y-intercept)

    a. $y = 2x - 5$
    b. $y = -3x + 4$
    c. $f(x) = \frac{2}{5}x - 9$
    d. $f(x) = -\frac{3}{4}x + 1$

2. What do you notice about the slopes and y-intercepts in the equations in question 1? Take an educated guess on the slope and y-intercept of the function $f(x) = 5x - \frac{2}{3}$. Check your solution.

3. Write your theory.