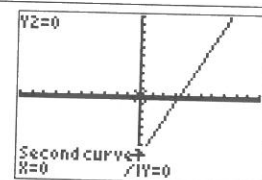
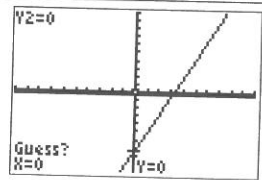
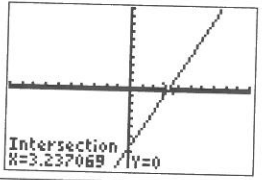


<p>Press ENTER. This is like saying "yes". Notice that you now get a new question: "Second Curve?"</p>	
<p>Press ENTER again. (To say "Yes" again.) You will see one last question: "Guess?"</p>	
<p>Press ENTER again. You should now see the point of intersection between the graph and the x-axis. This is your x-intercept.</p>	
<p>When recording your x-intercept on a test or assignment, note that you only need to provide the x-value: You would write $x = 3.24$.</p>	

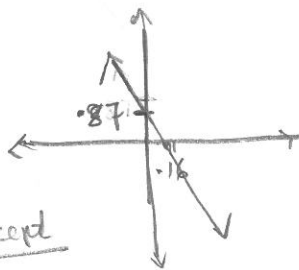
Example 2: Determining Intercepts using the Graphing Calculator

a) Find the x and y intercepts for:

$$y = -5.2x + 0.87$$

$$y\text{-intercept} = 0.87$$

$$x\text{-intercept} = 0.167$$



① let $x = 0$

$$y = -5.2(0) + 0.87$$

$$y = 0.87 \leftarrow y\text{-intercept}$$

② x-intercept

let $y = 0$, solve for x

$$0 = -5.2x + 0.87$$

$$-5.2x = -0.87$$

$$x = \frac{-0.87}{-5.2} = \underline{\underline{0.167}} \leftarrow x\text{-intercept}$$

b) Find the x and y intercepts for

$$y = 3.45x + 7.5$$

$$y\text{-intercept} = 7.5$$

$$x\text{-intercept} = -2.17$$

- leading coefficient = 3.45

- Slope direction = increasing

- End Behaviour = ∞ to ∞

