

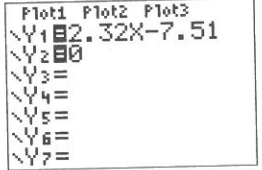
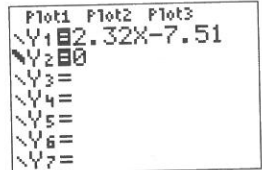
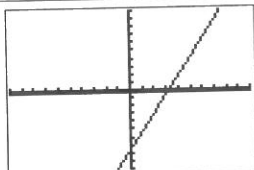

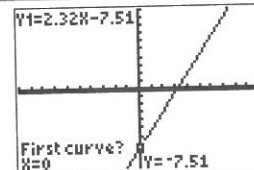
Sometimes your graphing screen will automatically show the y intercept when you press the TRACE key. At other times you may need to enter the x value of 0 (press TRACE, press the 0 key, and press ENTER). This always works because the y intercept always has an x value of 0.

Finding the x intercept is more work.

To find the x intercept we must find the point of intersection between the given equation and the x axis. To find the x -intercept you need to make your y -value 0. This works because the x -intercept always has a y -value of 0.

The following screen shots and comments show how to find the x intercept for the function $y = 2.32x - 7.51$.

Finding x-intercept using graphing calculator

Instructions	What you should see
Press the $Y=$ button. Enter the given equation in Y_1 . Enter $Y_2 = 0$ on the next line. ($y = 0$ is the equation of the x axis.)	
Use the arrow keys to move the cursor onto the slash symbol in front of Y_2 . Press ENTER The slash symbol should darken and blink. This step is optional, but makes it easier to see the x axis.	
Now Press GRAPH. Notice that the x axis is a little darker than usual.	
At this point we are ready to use the calculator to find the intersection point of the function and the x axis.	
Press the 2 nd button then press the TRACE button to access the CALCULATE menu.	
Choose 5: intersect Notice that the calculator is now asking you a question (near the bottom of the screen): "First Curve?"	
Instructions continue on next page...	