

**USE THE GRAPHING CALCULATOR TO GRAPH THE FOLLOWING LINES:**

<https://www.symbolab.com/graphing-calculator>



**Q1**

$$2x + 5y = 8 \quad \text{and} \quad y = \frac{5}{4}x - 5$$

You should see that:

- These lines intersect at (4 , 0)
- The line  $y = \frac{5}{4}x - 5$  is written in the form  $y = mx + c$ .  
It has a slope (**m**) of  $\frac{5}{4}$  which can be seen using rise/run
- It intercepts the y-axis (**c**) at -5

**Q2**

$$x^2 - 9 = 0$$

You should see that:

- This is a curve, and using the difference of two squares it factorises as:  $(x + 3)(x - 3)$
- It cuts the x axis at +3 and -3
- It intercepts the y axis at -9