Write the equation of a Parabola given the Graph!
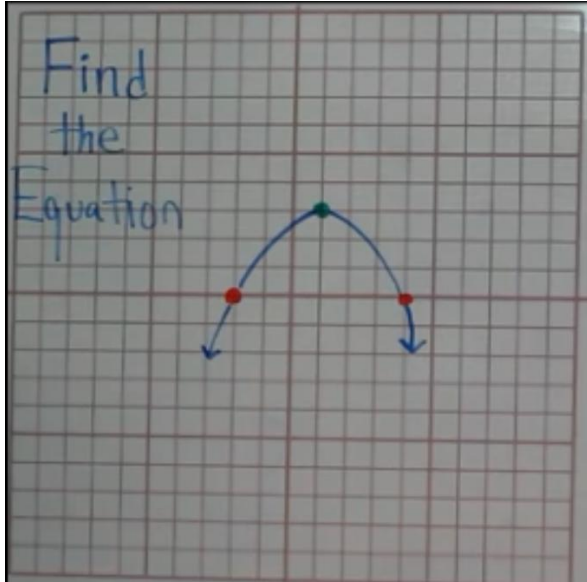
This video shows how to find the **Factored Form Equation** of a Parabola given the graph

http://www.youtube.com/watch?v=igoQrrFM06s

Factored Form:
y = -1/3 (x + 2)(x – 4)

To get the **Standard Form Equation** of the Parabola, multiply the factors and distribute the "a" value.
y = -1/3 $(x^2 - 2x - 8)$ use FOIL to multiply the factors
y = -1/3 x^2 + 2/3 x + 8/3   distribute the "a" value of -1/3 to all the terms

Standard Form:
y = -1/3 x^2 + 2/3 x + 8/3