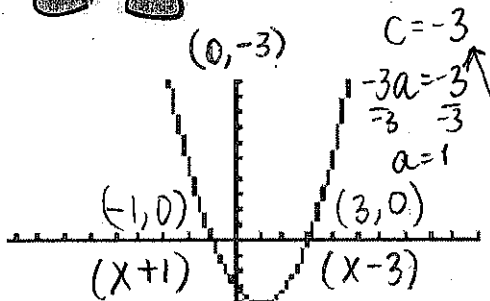




What Equation Am I?

NAME: _____

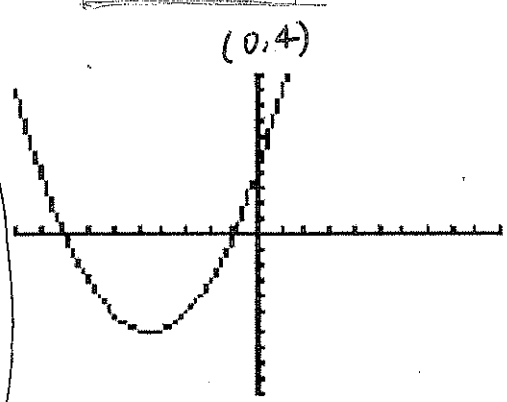
On the line below each graph write a **possible** equation that could produce the graph. Use your knowledge of roots and shapes of parabolas to make your decision. Give the answer in both Factored Form and Standard Form.

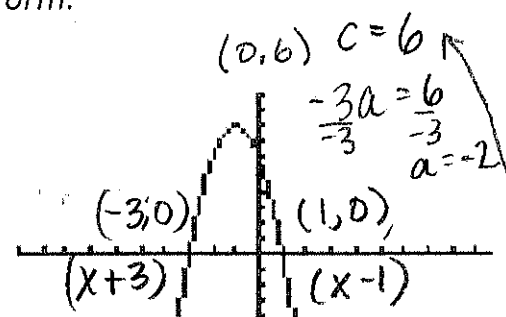


$c = -3$
 $-3a = -3$
 $\frac{-3}{-3} = \frac{-3}{-3}$
 $a = 1$

$y = 1(x+1)(x-3)$

work $y = ax^2 - 2ax - 3a$
 $y = x^2 - 2x - 3$





$-3a = 6$
 $\frac{-3a}{-3} = \frac{6}{-3}$
 $a = -2$

$y = -2(x+3)(x-1)$

work $y = ax^2 + 2ax - 3a$
 $y = -2x^2 - 4x + 6$

