


Final Review

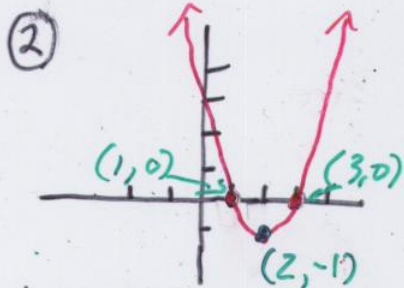
① $y = x^2$ 
Translates to... $(0,0)$

a) $y = 5(x-2)^2 + 7$

Narrow \curvearrowright
 $(2, 7)$ Right + 2
vertex Up + 7

b) $y = -(x+3)^2 - 4$

Normal \curvearrowleft
 $(-3, -4)$ Left + 3
Vertex Down 4



a) Standard Form

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

$$y = x^2 - 4x + 3$$

b) Vertex Form

$$y = (x-2)^2 - 1$$

③ $y = x^2 - 3x + 4$

y-intercept? $x=0$

$$y = (0)^2 - 3(0) + 4$$

$$y = 4 \quad (0, 4)$$

④ $(7-2i)(?) = 53$

$$7+2i$$

$$\frac{3-2i}{5+7i} \cdot \frac{(5-7i)}{(5-7i)}$$