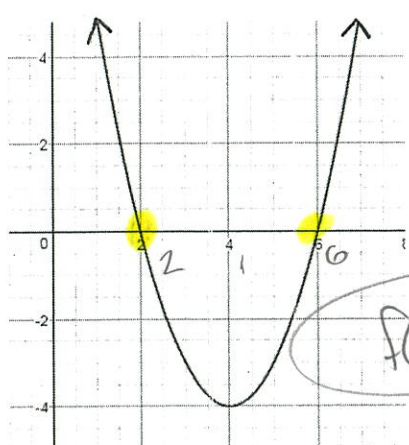
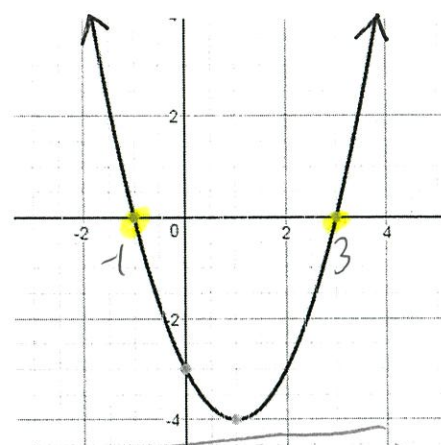
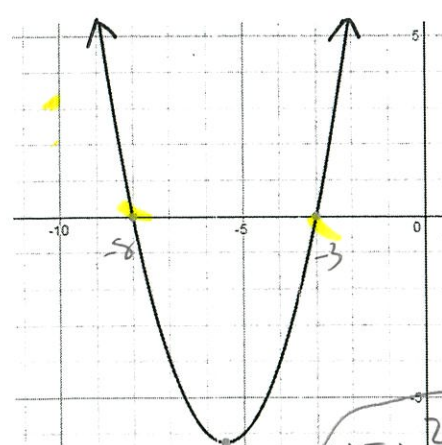
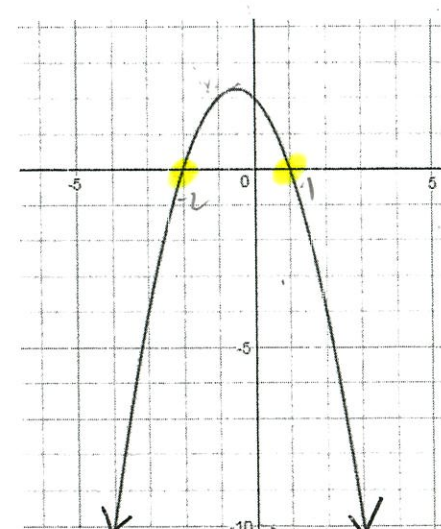


Do Now

Directions: Write the equation of the following parabolas by using the provided graphs.

<p>1.</p>  <p>$f(x) = x^2 - 8x + 12$ or $y = x^2 - 8x + 12$</p> <p>$x^2 - 8x + 12 = 0$ $x^2 - 6x - 2x + 12 = 0$ $(x-2)(x-6) = 0$ $x = 2 \mid x = 6$</p>	<p>2.</p>  <p>$y = x^2 - 2x - 3$ or $f(x) = x^2 - 2x - 3$</p> <p>$x^2 - 2x - 3 = 0$ $x^2 - 3x + 1x - 3 = 0$ $(x+1)(x-3) = 0$ $x = -1 \mid x = 3$</p>
<p>3.</p>  <p>$y = x^2 + 11x + 24$ or $f(x) = x^2 + 11x + 24$</p> <p>$x^2 + 11x + 24 = 0$ $x^2 + 3x + 8x + 24 = 0$ $(x+8)(x+3) = 0$ $x = -8 \mid x = -3$</p>	<p>4.</p>  <p>$y = -x^2 - x + 2$ or $f(x) = -x^2 - x + 2$</p> <p>$(x^2 + x - 2) = 0 \rightarrow -x^2 - x + 2 = 0$ $x^2 - x + 2x - 2 = 0$ $(x+2)(x-1) = 0$ $x = -2 \mid x = 1$ or $-(x^2 + x - 2 = 0)$</p> <p>only multiply -label it's upside down</p>