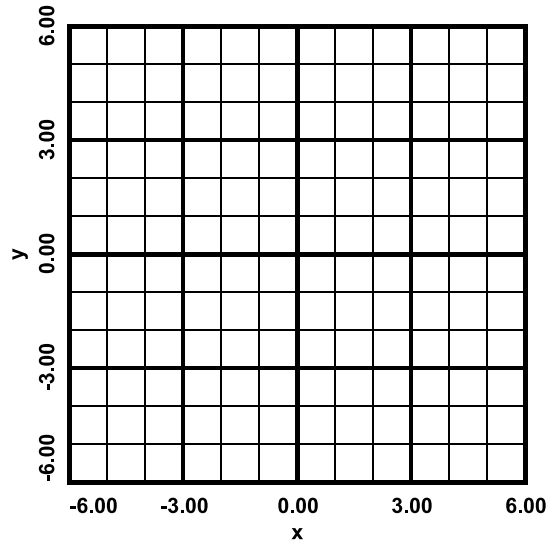


PRE-AP ALGEBRA 2

1B.5 CLASSWORK

- 1) On the grid provided, graph $y + 3 = (x - 2)^2$,
 $y + 3 = 2(x - 2)^2$ and $y + 3 = \frac{1}{2}(x - 2)^2$.



- 3) Convert the parabola in vertex form
 $y + 13 = 3(x - 4)^2$ to standard form.

- 4) Solve the quadratic equations for x by
 completing the square.

a) $x^2 - 4x - 12 = 0$

b) $10x^2 + 17x - 20 = 0$

- 2) Convert the parabolas in standard form to vertex
 form by completing the square.

a) $y = x^2 + 10x + 33$

b) $y = 2x^2 - 28x + 95$