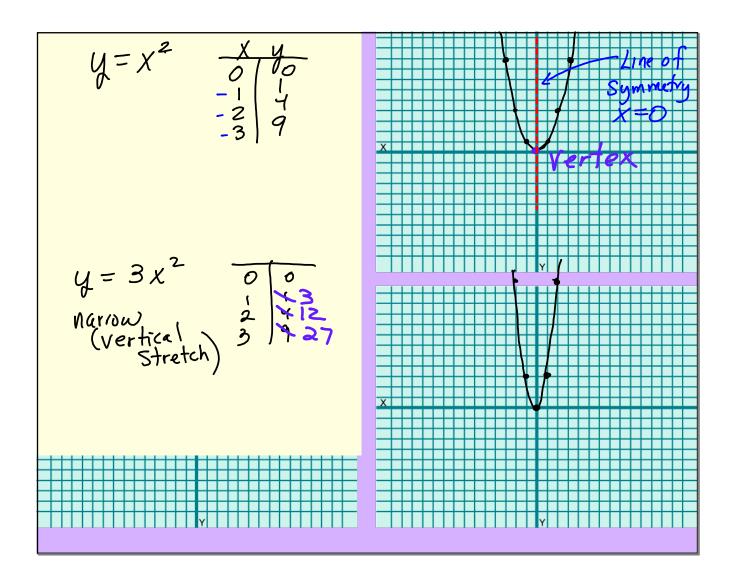
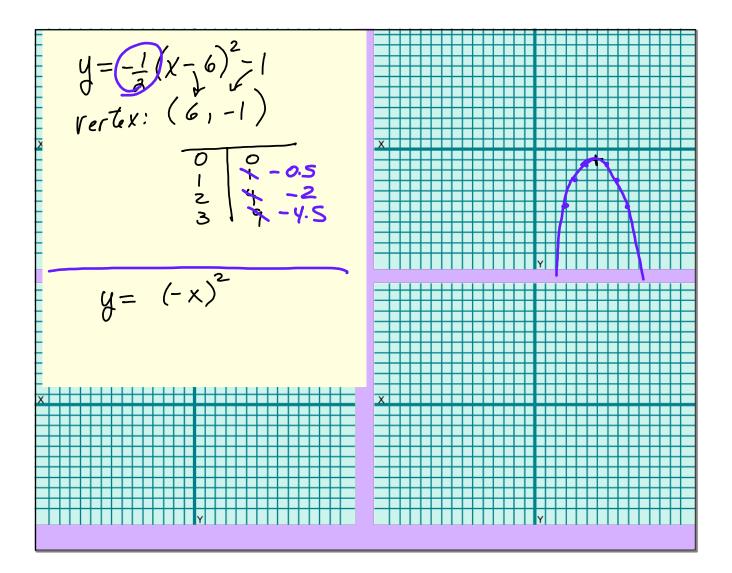
Quadratics Functions $y = ax^2 + bx + c$ \leftarrow standard form $y = 2x^2 - 3x + 5$ y=|x| \ Vertex Form y = |x| + 2Left 5 $y = a(x-h)^2 + K$ Vertex (h, K) y = (X+s) Width la= 1 normal 1al>1 Narrow (Vertical stretch) OKIAKI Wide (verticel shrink) Direction: + a UP - a down Line of Symmetry: X=h



 $y = \frac{2}{3}x^{2} - 5$ = $\frac{2}{3}(x-0)^{2} - 5$ Yertsx: (0,-5) $y = -2(x-y)^{2} + 7$ Vertex: (4,7) Line of: x = 4Symm line of X=0 Direction: Down Width: Narrow Direction: Up Width: Wide



 $Y = -\frac{1}{2} (X + 6)^{2} + 3$ Left UP 6 3 Vertex: (-6, 3) $\frac{0}{2}$ $\frac{0}{3}$ $\frac{0}{3}$ Width: Wide $y < 2x^{-9}$ $y < 2x^{2} - 9$ $0 = \frac{1}{2}$ $0 = \frac{1}{2}$ 0