2.1 Day 2 on Quadratic Functions
I. Write the equation of the parabola in Standard Form given the vertex and a point on the graph. Ex 1) vertex: $(-1, 4)$ and point $(-3, 0)$ $Y = a(x-h)^2 + K$ $Y = a(-3+1)^2 + 4$ $Y = a(-3)^2 + 4$ $Y = a(-3)^2 + 4$
Ex 2) vertex: $(1, 2)$ and point $(3, -6)$ $Y = a(x-h)^{2} + K$ $-6 = a(3-1)^{2} + 2$ $-6 = a(2)^{2} + 2$ $-7 = a(2)^{2} + 2$ -7
1 to the second



