Day 5 – Graphing in Vertex Form
Practice Assignment

Name: _____
Date: _____ **Block:** _____

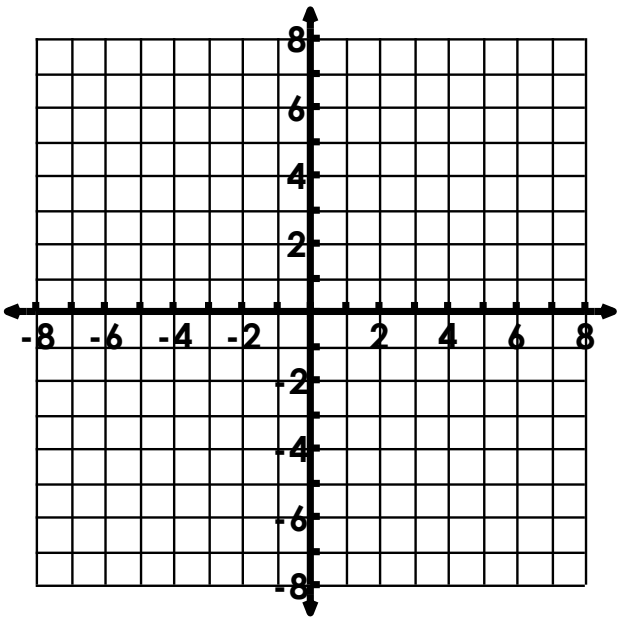
Find the vertex of the following equations:

a. $y = 2(x - 28)^2 + 72$ b. $y = (x + 500)^2 - 250$ c. $y = -(x + 22)^2 + 22$

Graph the following Quadratics:

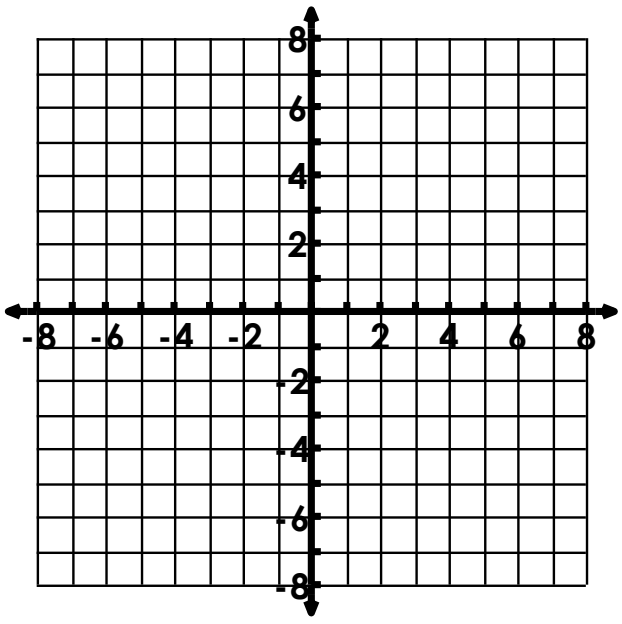
1. $y = (x - 1)^2 + 1$

x					
y					



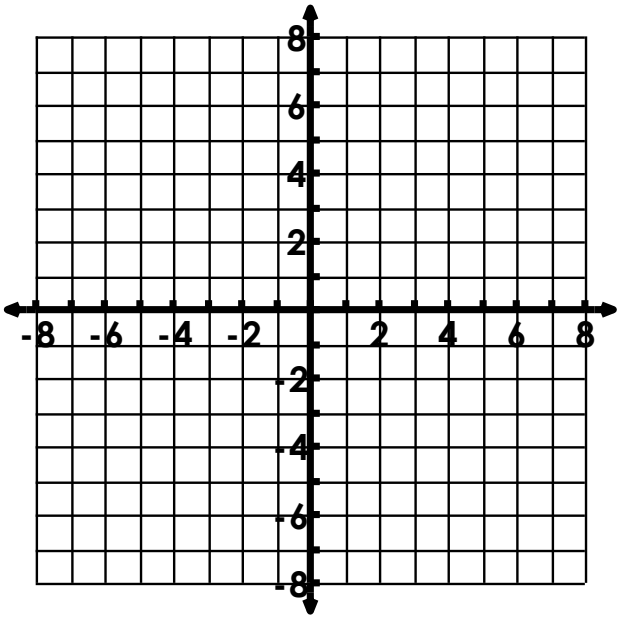
2. $y = (x + 3)^2 + 3$

x					
y					



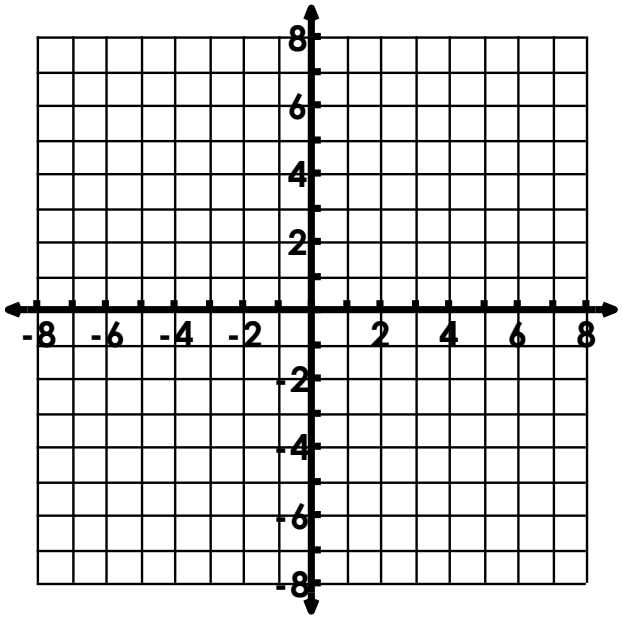
3. $y = -2(x - 2)^2 + 4$

x					
y					



4. $y = (x + 6)^2$

x					
y					



Match the graph of a quadratic to an equation:

Answer: _____

Equations:
a. $y = -(x + 4)^2 + 6$
b. $y = (x - 4)^2 + 6$
c. $y = 2(x - 4)^2 - 6$
d. $y = (x + 4)^2 + 6$