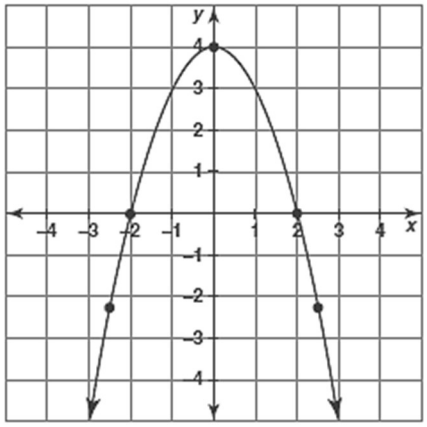
Day 5–Identify Quadratic from a Graph **Name:** _____

Practice Assignment **Date:** _____ **Block:** _____

For each graph below, determine which equation belongs to each graph. Explain your reasoning.



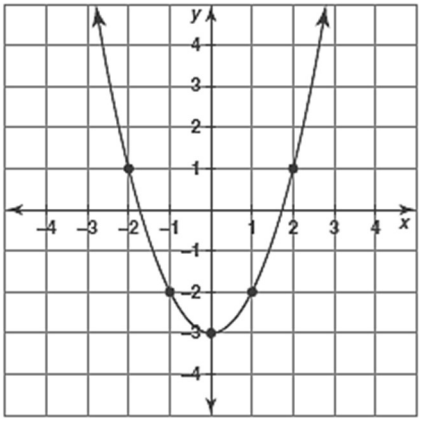
a. $y = x^2 + 4$

b. $y = x^2 - 4$

c. $y = -x^2 - 4$

d. $y = -x^2 + 4$

Explanation:



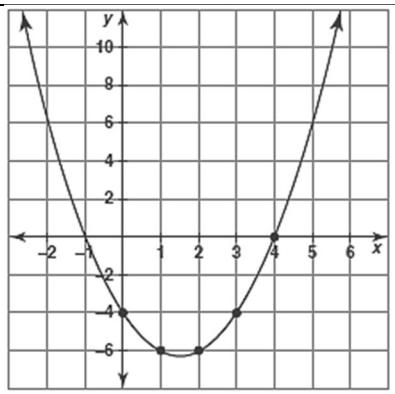
a. $y = x^2 + 3$

b. $y = -x^2 + 3$

c. $y = -x^2 - 3$

d. $y = x^2 - 3$

Explanation:



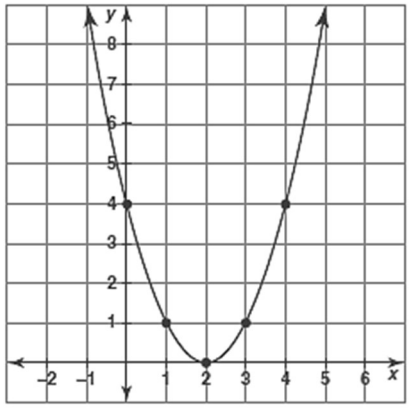
a. $y = x^2 - 3x - 4$

b. $y = -x^2 - 3x - 4$

c. $y = x^2 - 3x + 4$

d. $y = -x^2 - 3x + 4$

Explanation:



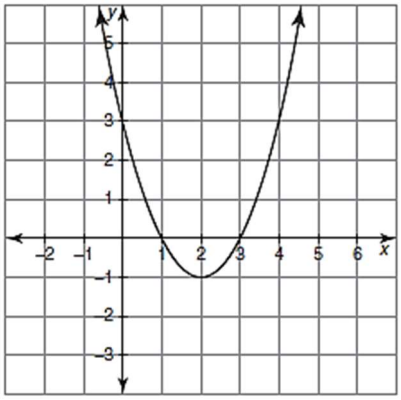
a. $y = -(x + 2)^2$

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

c. $y = -(x – 2)^2$

d. $y = (x – 2)^2$

Explanation:



a. $y = (x + 2)^2 – 1$

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

c. $y = (x – 2)^2 – 1$

d. $y = (x – 2)^2 + 1$

Explanation: