

Review: Graphing Quadratic Functions

Graph each Quadratic Function. Include the following:

a) axis of symmetry

d) extra points OR...

b) vertex

e) roots

c) y-intercept

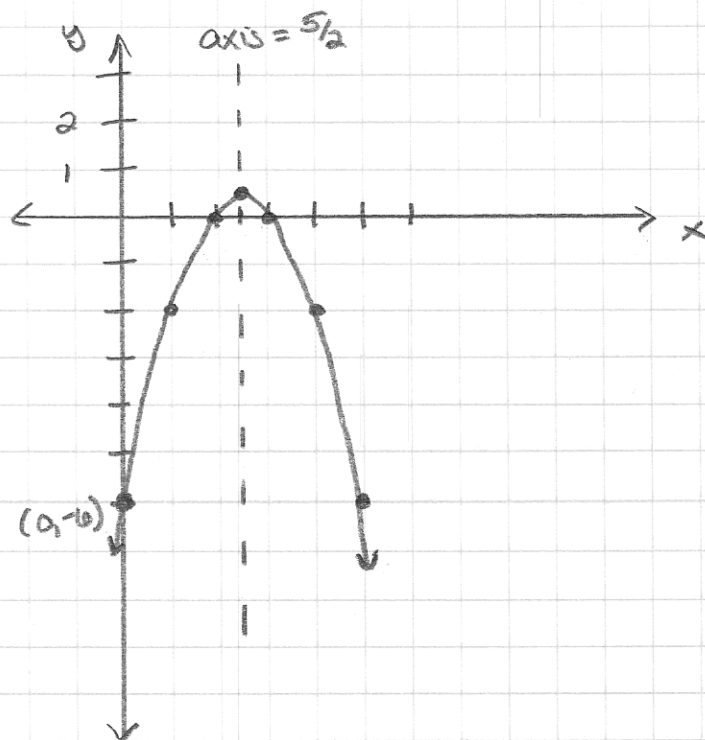
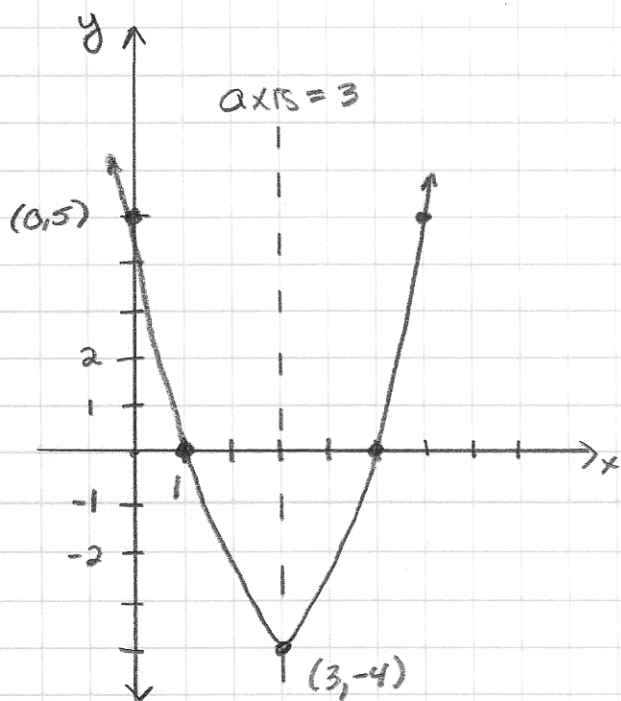
① $y = x^2 - 6x + 5$

② $y = -x^2 + 5x - 6$

Answers:

- ① axis = 3
V(3, -4)
y-int: (0, 5)
point: (1, 0)
roots: (1, 0) & (5, 0)

- ② axis = $\frac{5}{2}$
V($\frac{5}{2}$, $\frac{1}{4}$)
y-int: (0, -6)
point: (1, -2)
roots: (2, 0) & (3, 0)



note: both graphs should have more of a "curved" look, blame my lack of artistic skill.