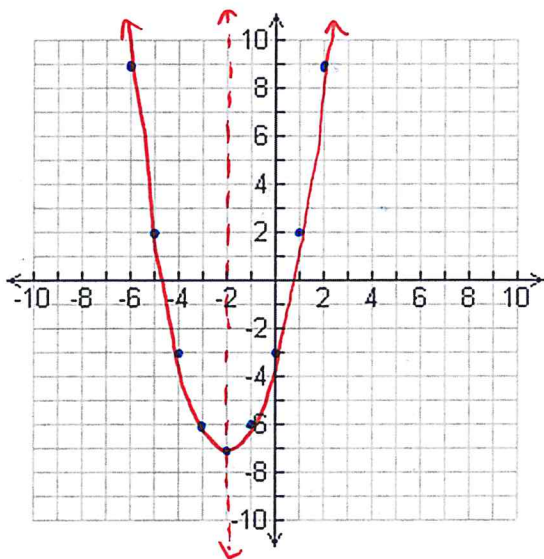


Graphing on the Coordinate Plane
Emphasis on Quadratic Functions

Graph each of the following Quadratic Functions:

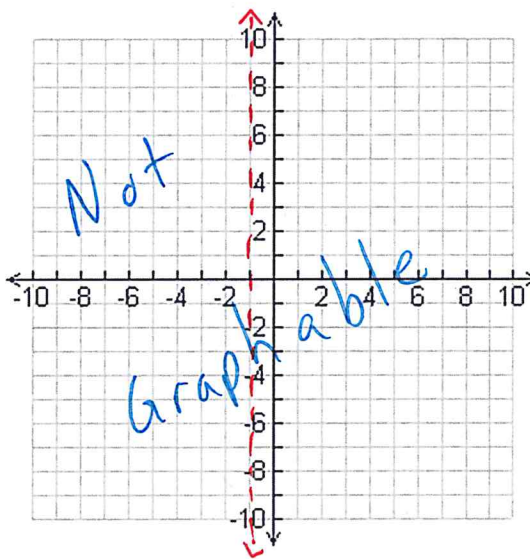
1. $f(x) = x^2 + 4x - 3$

AOS $x = \frac{-b}{2a} = \frac{-4}{2(1)} = \frac{-4}{2} = -2$



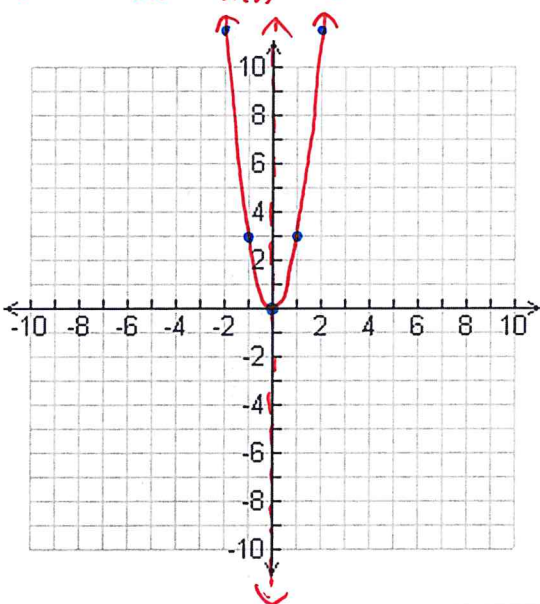
2. $f(x) = -5x^2 - 10x + 6$

AOS $x = \frac{-b}{2a} = \frac{10}{2(-5)} = \frac{10}{-10} = -1$



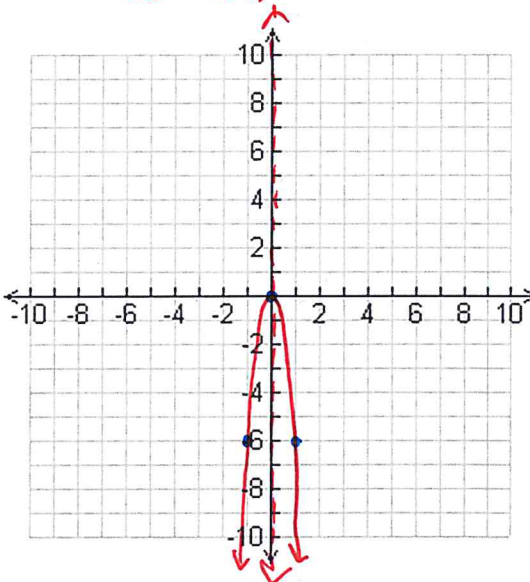
3. $y = 3x^2$

AOS $x = \frac{-b}{2a} = \frac{0}{2(3)} = \frac{0}{6} = 0$



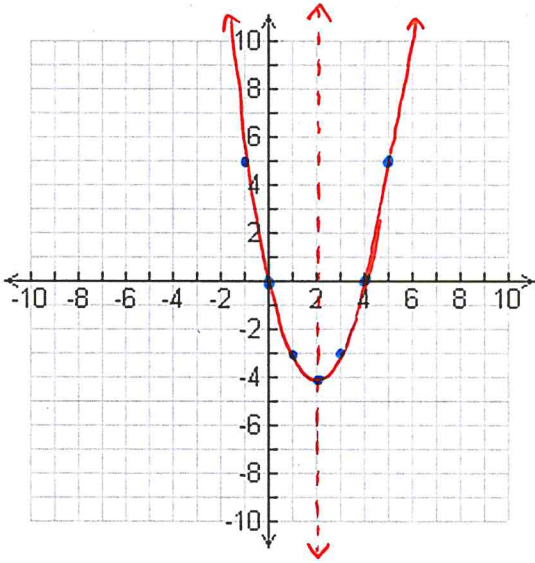
4. $h(x) = -6x^2$

AOS $x = \frac{-b}{2a} = \frac{0}{2(-6)} = \frac{0}{-12} = 0$



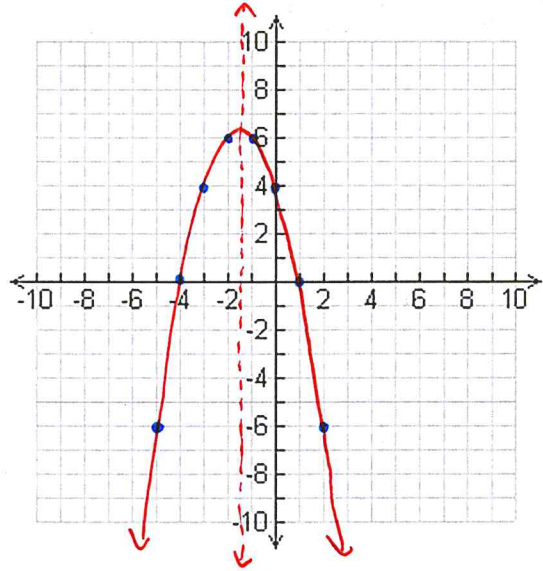
5. $f(x) = x^2 - 4x$

AOS $x = \frac{-b}{2a} = \frac{4}{2(1)} = \frac{4}{2} = 2$



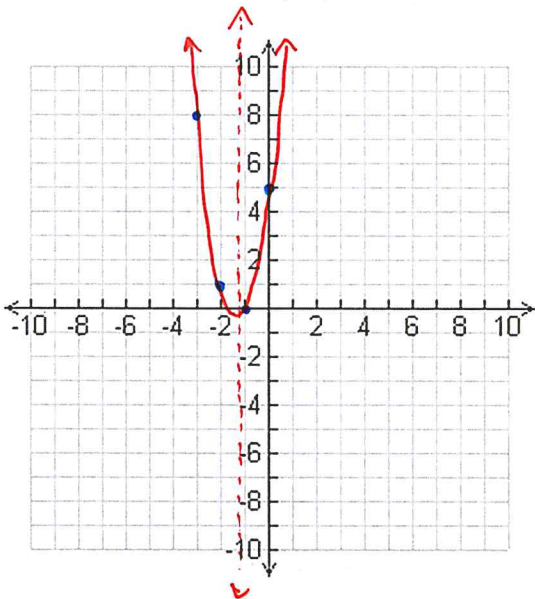
6. $g(x) = -x^2 - 3x + 4$

AOS $x = \frac{-b}{2a} = \frac{3}{2(-1)} = \frac{3}{-2} = -1.5$



7. $f(x) = 3x^2 + 8x + 5$

AOS $x = \frac{-b}{2a} = \frac{-8}{2(3)} = \frac{-8}{6} = \frac{-4}{3} = -1.\bar{3}$



8. $y = 2x^2 - 8x + 5$

AOS $x = \frac{-b}{2a} = \frac{8}{2(2)} = \frac{8}{4} = 2$

