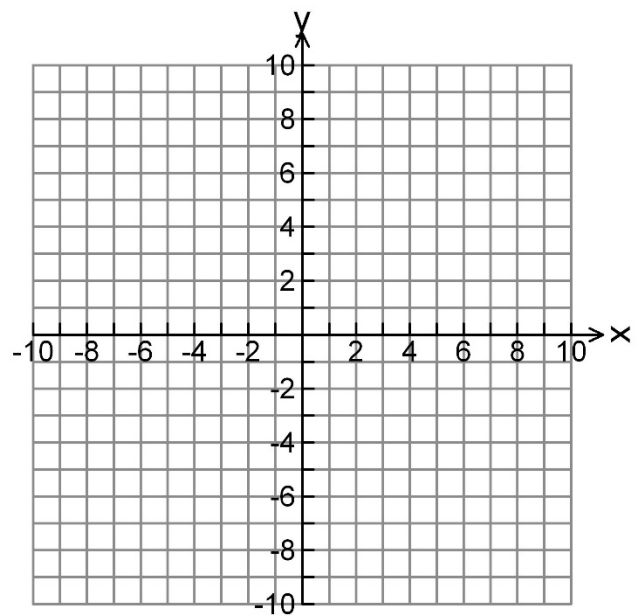


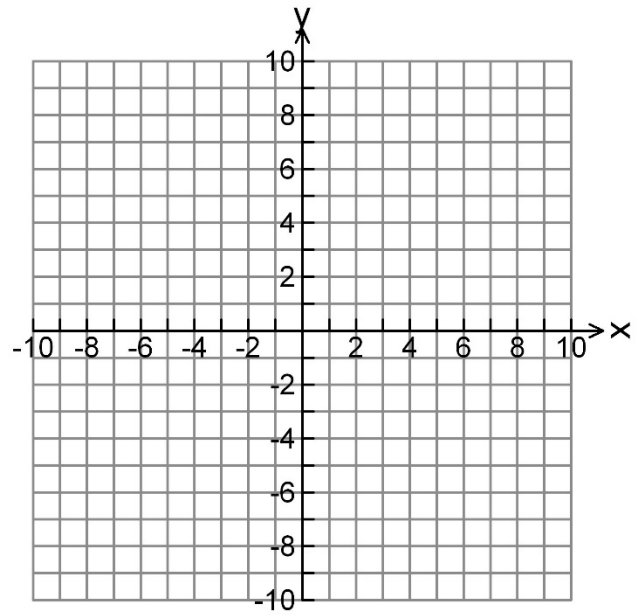
### Section 3.1: Quadratic Functions

#### Video 1

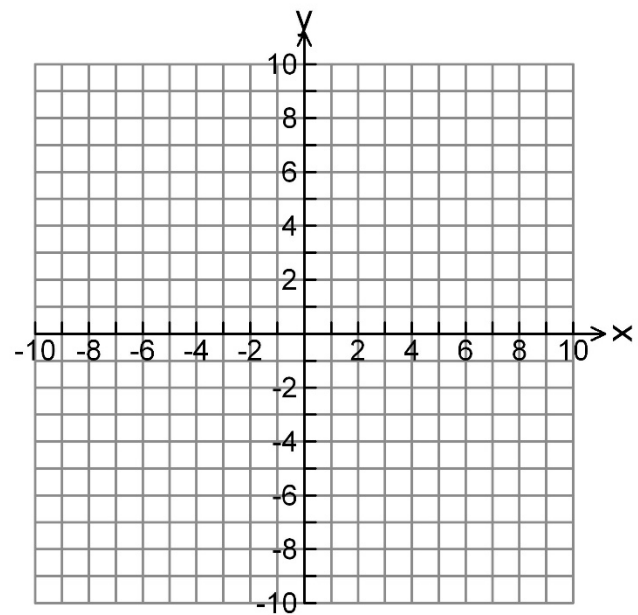
1) Graph the quadratic function  $f(x) = (x - 4)^2 - 9$ .



2) Graph the quadratic function  $f(x) = \frac{1}{2}(x+2) + 5$ .

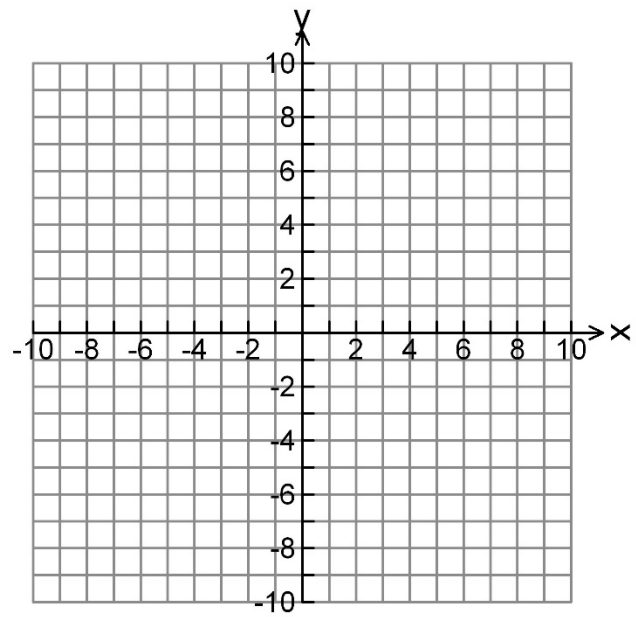


3) Graph the quadratic function  $f(x) = -3(x+2)^2 + 8$ .

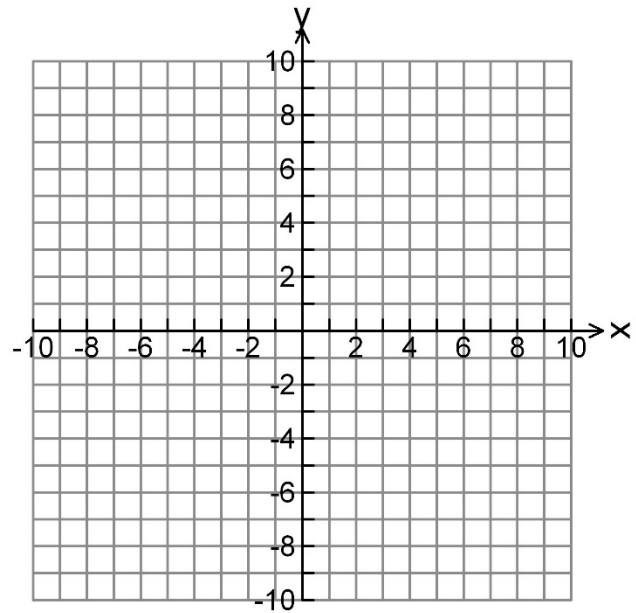


**Video 2**

4) Graph the quadratic function  $f(x) = x^2 - 4x - 12$ .



5) Graph the quadratic function  $f(x) = 2x^2 - x - 3$ .



6) Graph the quadratic function  $f(x) = -\frac{1}{2}x^2 - x + 4$ .

