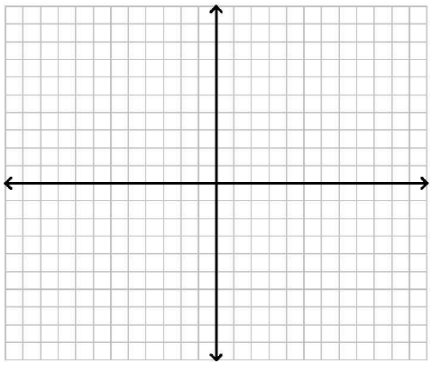
Graphing Quadratics Functions Vertex and Intercept Form

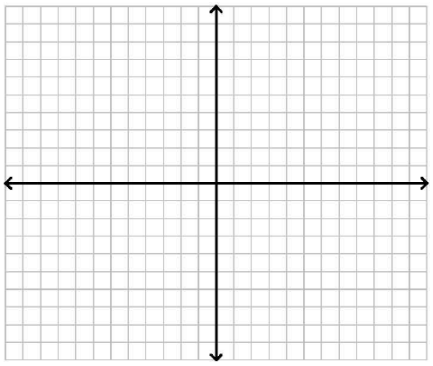
Graph the following quadratics. If you don't know the value of the intercepts, state the number of intercepts.

1. $g(x) = -(x + 1)(x - 5)$



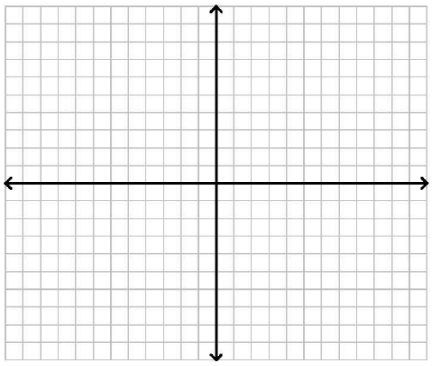
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

2. $r(x) = (x - 0.5)^2 - 6.25$



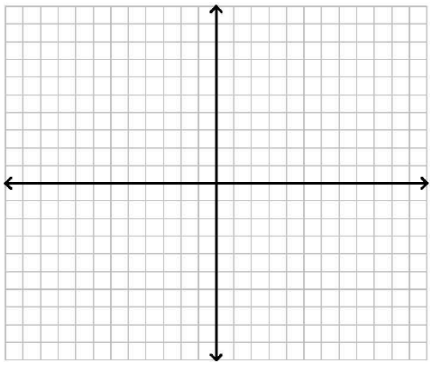
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

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



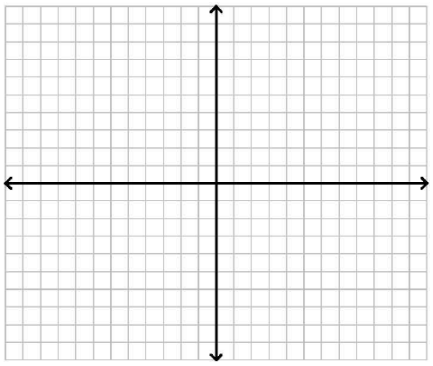
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

4. $p(x) = (x - 2)(x - 3)$



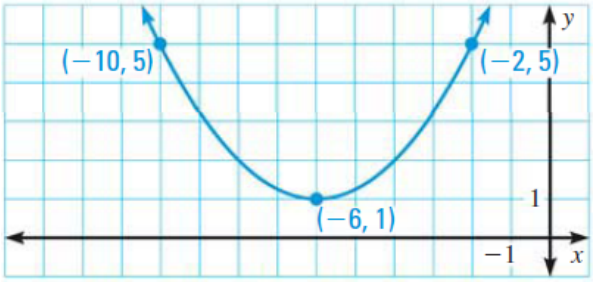
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

5. $h(x) = 3(x - 6)(x - 3)$



Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

6. Write an equation for the given parabola. Identify the form you wrote your answer in.



Equation:

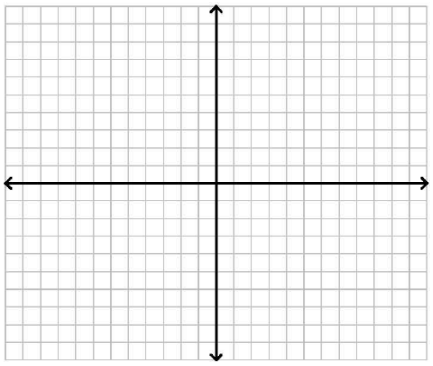
Form:

Why I chose this form:

Graphing Quadratics Functions Vertex and Intercept Form

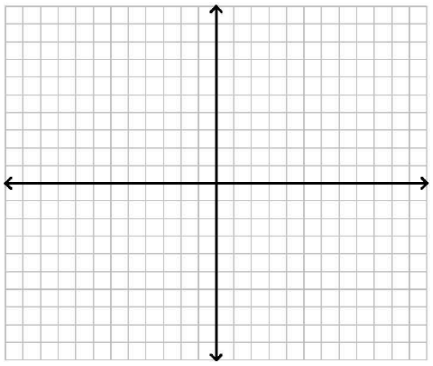
Graph the following quadratics. If you don't know the value of the intercepts, state the number of intercepts.

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



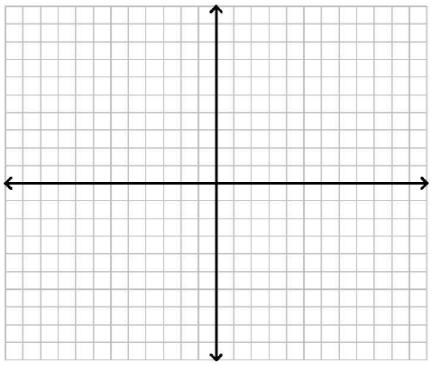
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

8. $r(x) = 2(x + 2)(x - 2)$



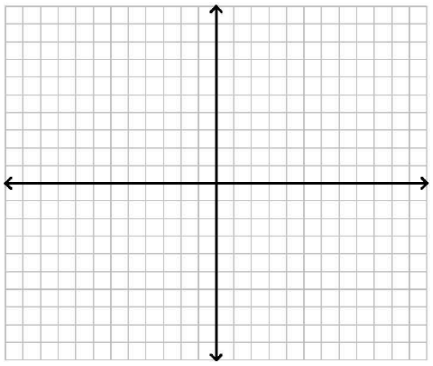
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

9. $a(x) = (x + 5)(x + 2)$



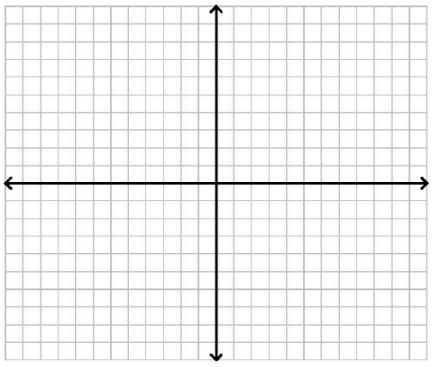
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

10. $p(x) = 2(x - 1.75)^2 - 3.125$



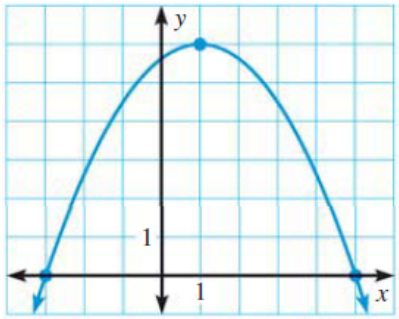
Form of equation:
Vertex:
AOS:
x-intercept(s): y-intercept:

11. $h(x) = -(x + 0.5)^2 + 2.25$



Form of equation:
Vertex:
AOS:
x-intercept(s):
y-intercept:

12. Write an equation for the given parabola. Identify the form you wrote your answer in.



Equation:

Form:

Why I chose this form: