

Practice Graphing

Rewrite the following functions in standard form.

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

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

3. $f(x) = 2x(x - 1)$

Rewrite the following functions in vertex form.

4. $f(x) = x^2 - 2x - 8$

5. $f(x) = (x + 3)(x - 1)$

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

Rewrite the following functions in intercept form.

7. $f(x) = (x + 2)^2 - 9$

8. $f(x) = x^2 - 3x - 18$

9. $f(x) = x^2 + 6x + 8$

Graph and determine the characteristics of the following quadratics.

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

AOS: _____

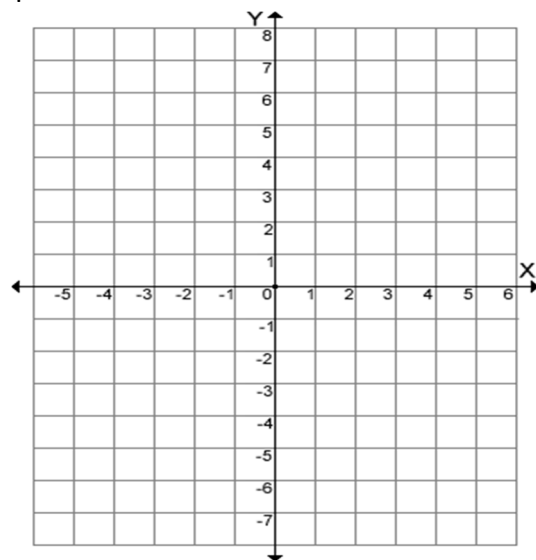
Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____



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

AOS: _____

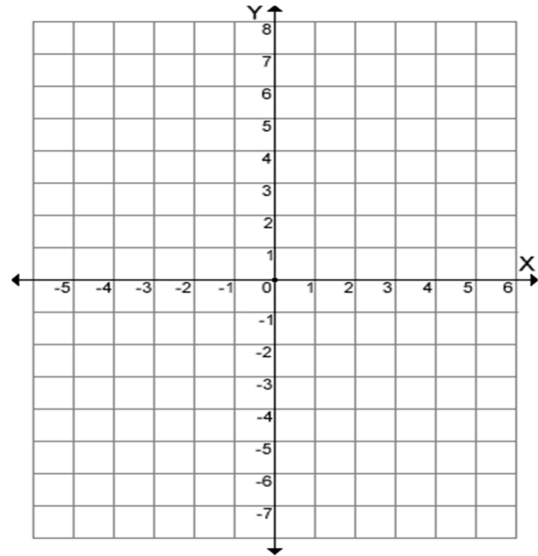
Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____



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

AOS: _____

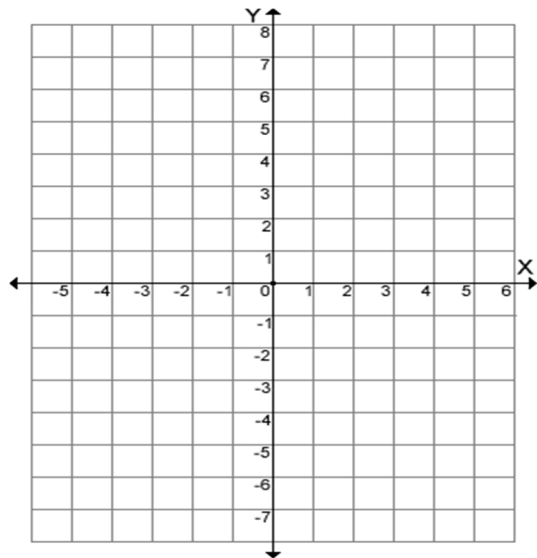
Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____



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

AOS: _____

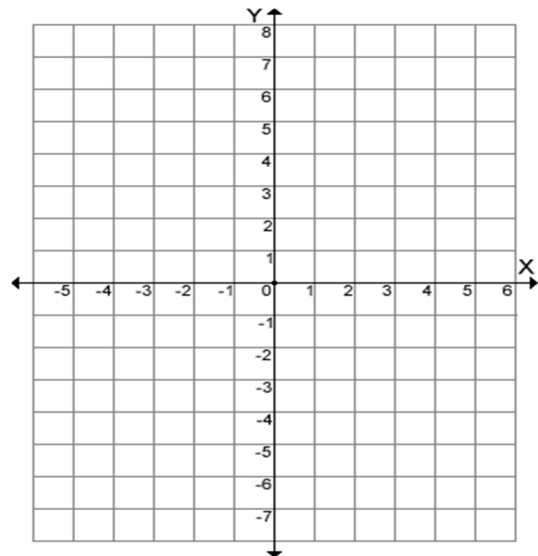
Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____



14.) $f(x) = (x - 1)(x + 3)$

AOS: _____

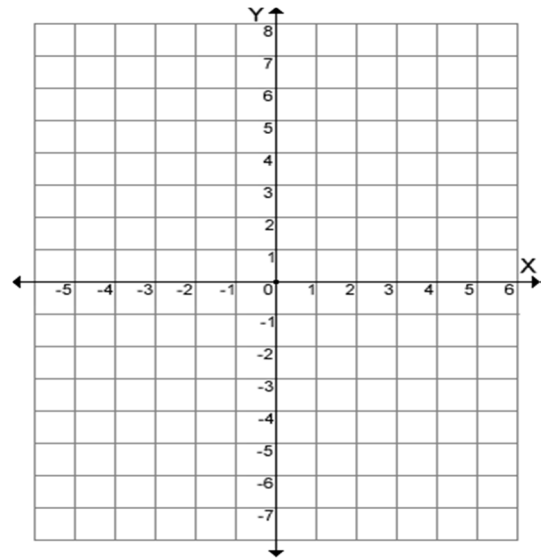
Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____



15.) $f(x) = (x + 2)(x - 2)$

AOS: _____

Vertex: _____

Y-Intercept: _____

Max/Min: _____

Domain: _____

Range: _____

