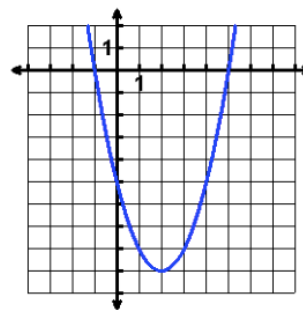


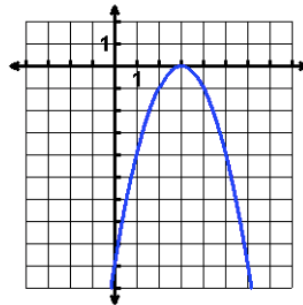
Characteristics of Quadratic Functions Practice Worksheet A

Name _____ Date _____

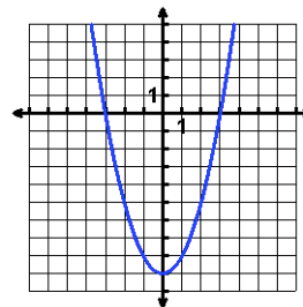
1. Domain: _____ Range: _____
 Vertex: _____ AOS: _____
 Increasing: _____ Decreasing: _____
 End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____
 $x \rightarrow -\infty, f(x) \rightarrow$ _____



2. Domain: _____ Range: _____
 Vertex: _____ AOS: _____
 Increasing: _____ Decreasing: _____
 End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____
 $x \rightarrow -\infty, f(x) \rightarrow$ _____



3. Domain: _____ Range: _____
 Vertex: _____ AOS: _____
 Increasing: _____ Decreasing: _____
 End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____
 $x \rightarrow -\infty, f(x) \rightarrow$ _____



Graph the quadratic function and write the characteristics.

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

Domain _____

Range _____

Vertex _____

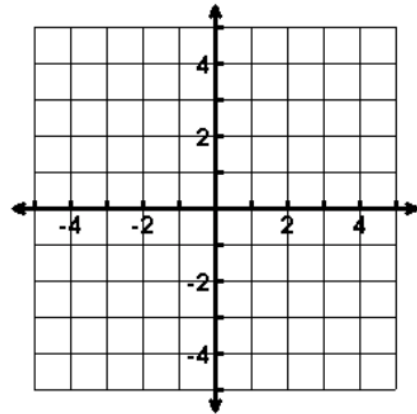
AOS _____

Increasing _____

Decreasing _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



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

Domain _____

Range _____

Vertex _____

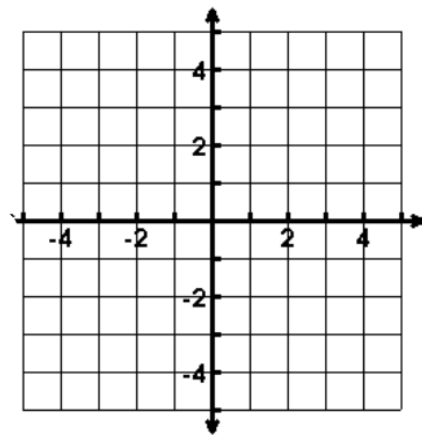
AOS _____

Increasing _____

Decreasing _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____



6. $f(x) = -0.5(x + 4)(x - 2)$

Domain _____

Range _____

Vertex _____

AOS _____

Increasing _____

Decreasing _____

End Behavior: $x \rightarrow \infty, f(x) \rightarrow$ _____

$x \rightarrow -\infty, f(x) \rightarrow$ _____

