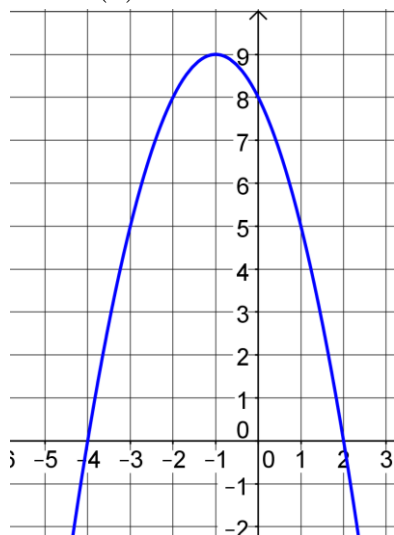


$$f(x) = -x^2 - 2x + 8$$



Domain: $(-\infty, \infty)$ Range: _____

Zeros: _____ Y-int: _____

Rel. Max: _____ Rel. Min: **None**

Abs. Max: _____ Abs. Min: _____

Inc: $(-\infty, -1)$ Dec: $(-1, \infty)$

Even, Odd or Neither?: **neither**

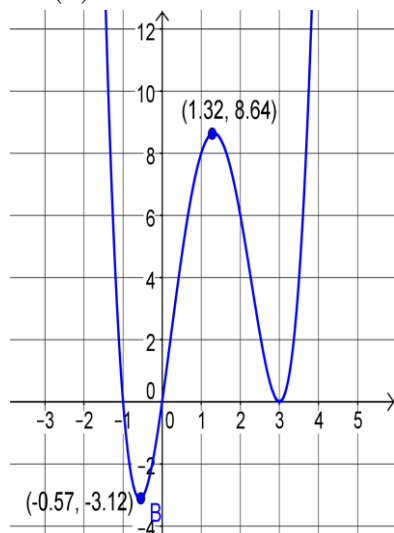
$x \rightarrow \infty, f(x) \rightarrow$ _____

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

Degree (Name): _____

Number of Terms (name): _____

$$f(x) = x^4 - 5x^3 + 3x^2 + 9x$$



Domain: $(-\infty, \infty)$ Range: _____

Zeros: _____ Y-int: _____

Rel. Max: _____ Rel. Min: $(-0.57, -3.12) \cup (3, 0)$

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Even, Odd or Neither?: _____

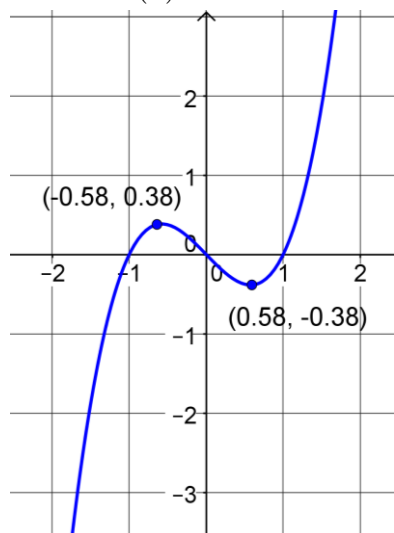
$x \rightarrow \infty, f(x) \rightarrow \infty$

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

Degree (Name): **Quartic**

Number of Terms (name): _____

$$f(x) = x^3 - x$$



Domain: _____ Range: $(-\infty, \infty)$

Zeros: _____ Y-int: **(0, 0)**

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

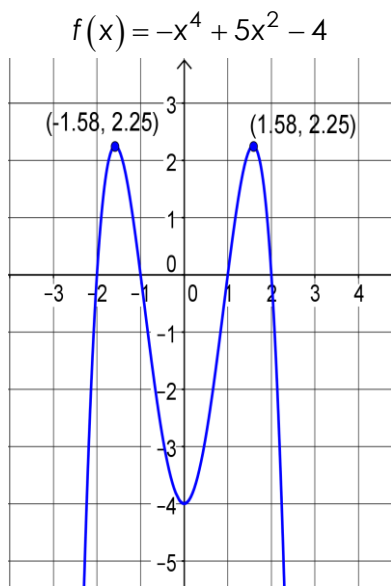
Even, Odd or Neither?: **Odd**

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

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

Degree (Name): _____

Number of Terms (name): _____



Domain: $(-\infty, \infty)$ Range: _____

Zeros: _____ Y-int: _____

Rel. Max: _____ Rel. Min: **(0, -4)**

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

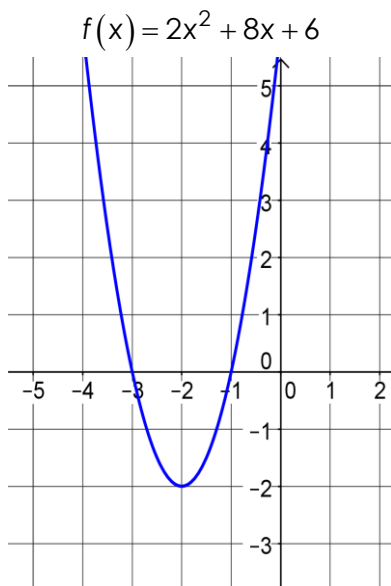
Even, Odd or Neither?: **Even**

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

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

Degree (Name): _____

Number of Terms (name): **Trinomial**



Domain: $(-\infty, \infty)$ Range: _____

Zeros: _____ Y-int: **(0, 6)**

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

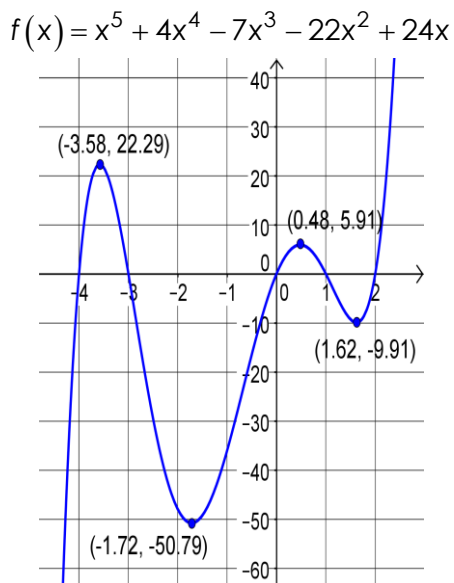
Even, Odd or Neither?: _____

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

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

Degree (Name): **Quadratic**

Number of Terms (name): **Trinomial**



Domain: $(-\infty, \infty)$ Range: _____

Zeros: _____ Y-int: **(0, 0)**

Rel. Max: _____ Rel. Min: **$(-1.72, -50.79) \cup (1.62, -9.91)$**

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Even, Odd or Neither?: _____

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

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

Degree (Name): _____

Number of Terms (name): **polynomial**