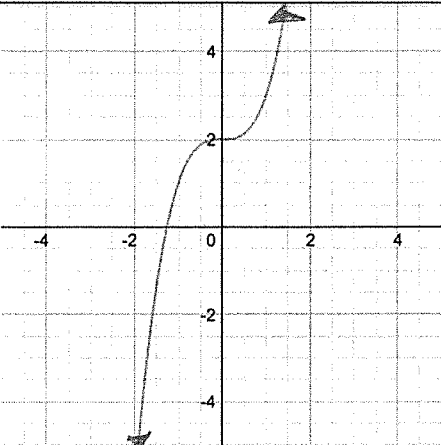
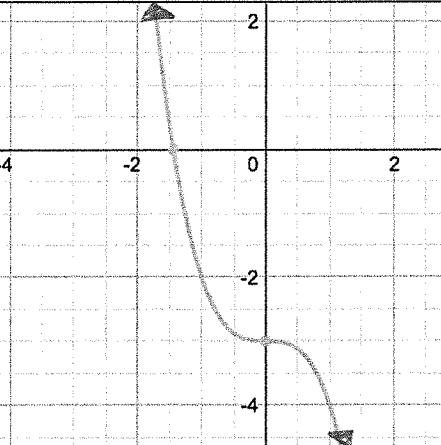
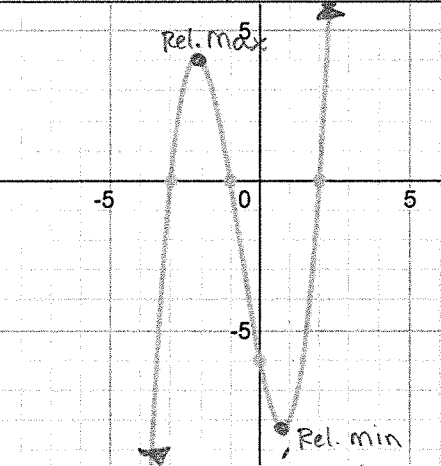
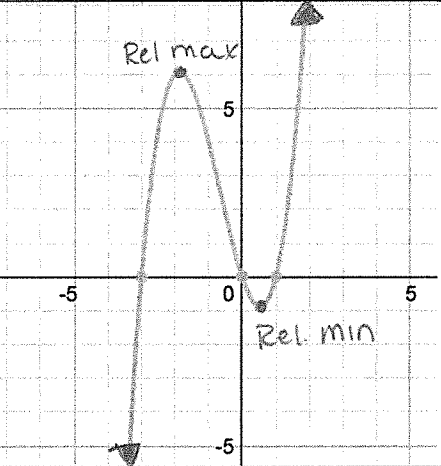


Family: Polynomial (Cubic) Parent equation: $f(x) = x^3$

	
Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ X-intercept: $(-1.25, 0)$ Y-intercept: $(0, 2)$ Increasing: $(-\infty, \infty)$ Decreasing: N/A As $x \rightarrow -\infty, f(x) \rightarrow -\infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$ Symmetry: N/A	Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ X-intercept: $(-1.5, 0)$ Y-intercept: $(0, -3)$ Increasing: N/A Decreasing: $(-\infty, \infty)$ As $x \rightarrow -\infty, f(x) \rightarrow \infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow -\infty$ Symmetry: N/A
	
Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ X-intercept: $(-3, 0), (-1, 0)$ Y-intercept: $(0, -6)$ Increasing: $(-\infty, -2), (1, \infty)$ Decreasing: $(-2, 1)$ As $x \rightarrow -\infty, f(x) \rightarrow -\infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$ Symmetry: N/A	Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$ X-intercept: $(-3, 0), (0, 0), (1, 0)$ Y-intercept: $(0, 0)$ Increasing: $(-\infty, -2), (0.5, \infty)$ Decreasing: $(-2, 0.5)$ As $x \rightarrow -\infty, f(x) \rightarrow -\infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$ Symmetry: N/A

Relative max: $(-2, 4)$
Relative min: $(1, -8)$

Relative max: $(-2, 6)$
Relative min: $(0.5, -1)$