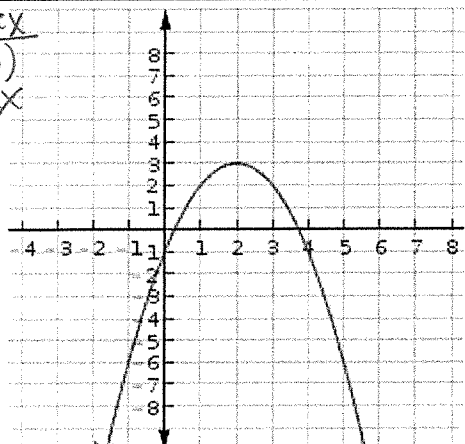
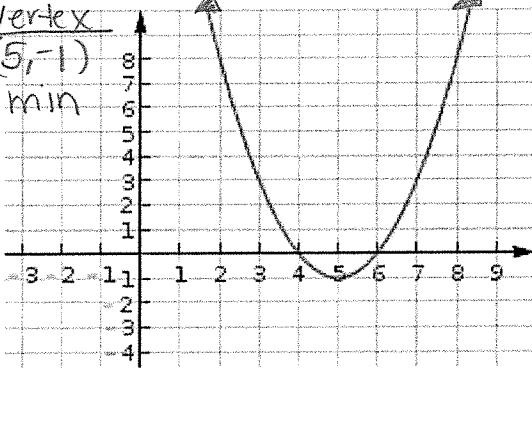
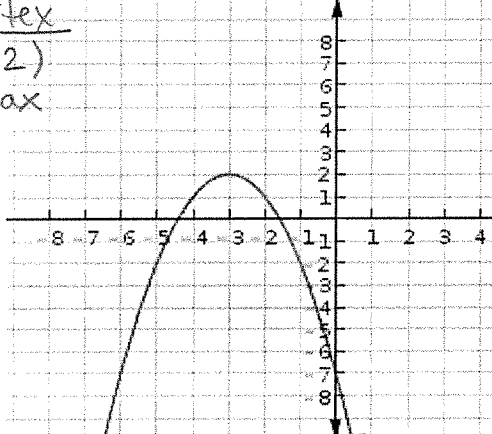
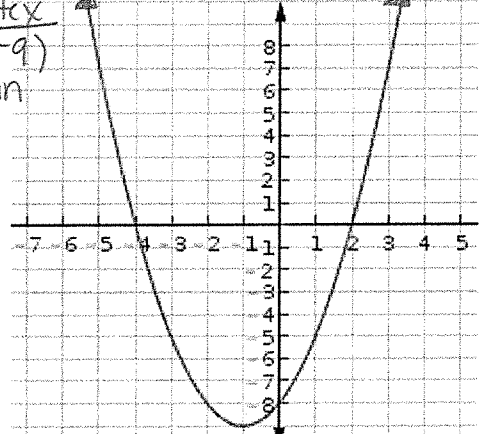


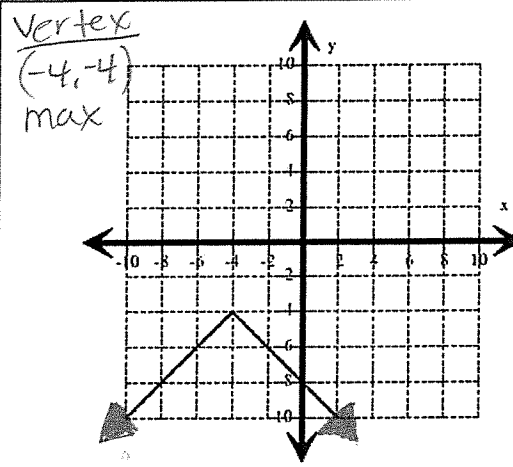
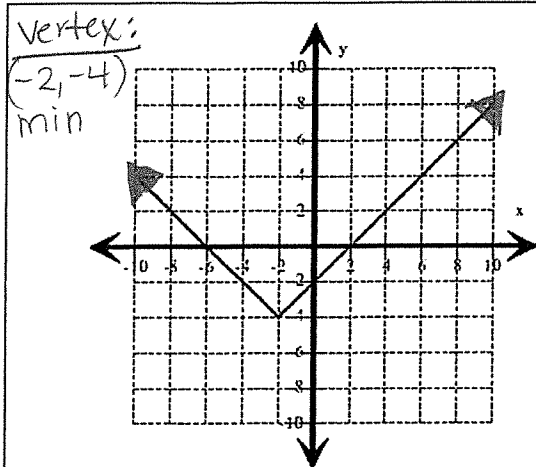
Parent Graph: QUADRATIC

Equation: $f(x) = x^2$

Vertex (2,3) max 	Vertex (5,-1) min 
Domain: $(-\infty, \infty)$ Range: $(-\infty, 3]$ X-intercept: (0.25, 0) (3.7, 0) Y-intercept: (0, -1)	Domain: $(-\infty, \infty)$ Range: $[-1, \infty)$ X-intercept: (4, 0) (6, 0) Y-intercept: Not shown
Vertex (-3,2) max 	Vertex (-1,-9) min 
Domain: $(-\infty, \infty)$ Range: $(-\infty, 2]$ X-intercept: (-4.5, 0) (-1.5, 0) Y-intercept: (0, -7)	Domain: $(-\infty, \infty)$ Range: $[-9, \infty)$ X-intercept: (-4, 0) (2, 0) Y-intercept: (0, -8)
Increasing: $(-\infty, -3)$ Decreasing: $(-3, \infty)$ As $x \rightarrow -\infty, f(x) \rightarrow -\infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$ Symmetry: N/A	Increasing: $(-1, \infty)$ Decreasing: $(-\infty, -1)$ As $x \rightarrow -\infty, f(x) \rightarrow \infty$ End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$ Symmetry: N/A

Parent Graph: ABSOLUTE VALUE

Equation: $f(x) = |x|$

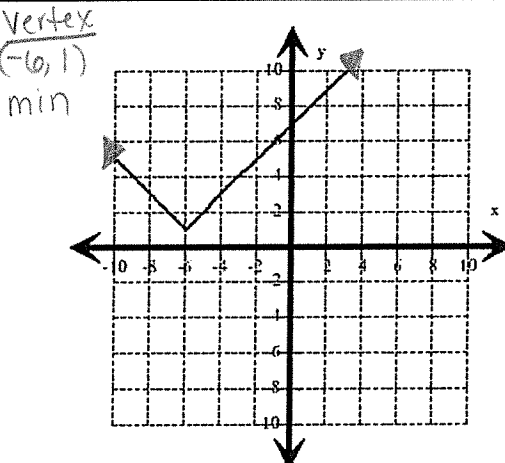
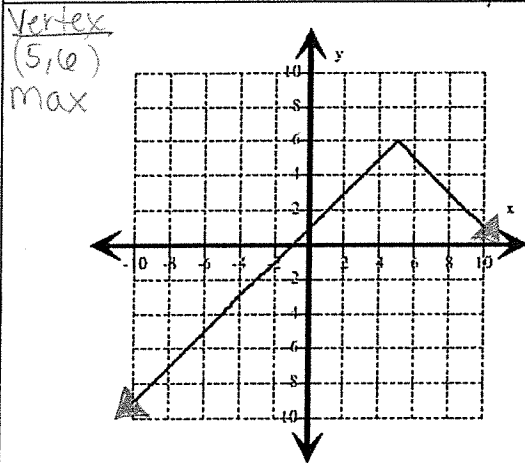


Domain: $(-\infty, \infty)$
Range: $[-4, \infty)$
X-intercept: $(2, 0), (-6, 0)$
Y-intercept: $(0, -2)$

Increasing: $(-2, \infty)$
Decreasing: $(-\infty, -2)$
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: $(-\infty, -4]$
X-intercept: None
Y-intercept: $(0, -8)$

Increasing: $(-\infty, -4)$
Decreasing: $(-4, \infty)$
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: $(-\infty, 6]$
X-intercept: $(-1, 0)$
Y-intercept: $(0, 1)$

Increasing: $(-\infty, 5)$
Decreasing: $(5, \infty)$
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: $[1, \infty)$
X-intercept: N/A
Y-intercept: $(0, 7)$

Increasing: $(-6, \infty)$
Decreasing: $(-\infty, -6)$
As $x \rightarrow -\infty, f(x) \rightarrow \infty$
End behavior: As $x \rightarrow \infty, f(x) \rightarrow \infty$
Symmetry: N/A