

AIM: GRAPHING QUADRATIC EQUATIONS

•	The standard form of a quadratic equation (graph) is	
•	The graph of a quadratic equation is called a	
•	When the a-value is <u>positive</u> , the parabola opens and has a	_ TP.
•	When the a-value is <u>negative</u> , the parabola opensand has a	_TP.
•	The value is the y-intercept.	
•	When an interval is given, there are arrows.	
•	There are 3 ways to find the roots:	
	1)	
	2)	
	3)	

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



Partner Practice:



4. Graph $g(x) = -2x^2 - 4x$; $\{-3 \le x \le 1\}$



- a) y-intercept_____
- b) Vertex _____
- c) Maximum or Minimum T.P_____
- d) Roots_____

5. Graph $h(x) = x^2 - 4x + 4; \{-1 \le x \le 5\}$

X	У

- a) y-intercept_____
- b) Vertex _____
- c) Maximum or Minimum T.P_____
- d) x-intercepts_____





DON'T FORGET TEXTBOOK HW!!!