

AGENDA

- 1) Take out HW to be Checked
HW Questions?

- 2) 518 Quadratics Review Packet
 - Do NOW- "Warm Up"
 - Pg 1 & #1 together

HW: Finish "518 Quadratics Review" Packet

Name _____

518 Quadratics Review

Block _____

Warm up: Either draw or write what the following words/phrases mean or associates in relationship to quadratics.

- | | | |
|---------------|------------|---------------------|
| a) Roots | b) vertex | c) axis of symmetry |
| d) Opens up | e) maximum | f) turning point. |
| g) Opens down | h) zeros | i) minimum |

True or False Quadratics are one to one functions. Justify your answer.

The Basics: Graphing Quadratics

- Find the vertex.
 - Find axis of symmetry using $x = \frac{-b}{2a}$. (Recall this is the x-coordinate of vertex.)
 - Substitute back into function to find y-coordinate of the vertex.
- Find y – intercept
 - $(0, c)$
 - Symmetrical point
- Find roots (x –intercepts) if they exist
 - Gcf
 - Factor
 - Complete the square
 - Quadratic formula
- Make a table with the vertex in the center.
 - Choose x-values left and right of the a.o.s. equidistant from it.
(eg. If a.o.s.=4 then choose 3 and 5, or 0 and 8 etc.)
 - Complete table and graph, neatly.

x			Vertex:		
y			Vertex:		

