

BE-1B Monday 3-10-08

① Graph $y = x^2 - 8x + 12$

① Find Axis of symmetry x

Where $x = \frac{-b}{2a}$

② Find  or 
min or max

③ Find y coordinate of vertex

where vertex = $(-\frac{b}{2a}, y)$

④ Use "mini" T-table to finish graph.

② $f(x) = x^2 - 8x + 12$

③ $f(0) = ?$

$f(2) = ?$

• Q3 EXAM 2 Thursday

• Only 4 shopping days to π day!

Algebra 1B - Topics for Q3 Exam 2

<u>Chapter</u>	<u>Topic</u>
Parabolas { 10-1 10-4	QUADRATIC EQUATIONS inc. X-intercepts, T-Tables, properties of parabolas. Quadratic Formula, the discriminant.
7-1 to 7-4	Systems of Linear Eq's
11-1 to 11-2	Radicals
11-4	PYTHAGOREAN Theorem
11-5	DISTANCE Formula
ALL	AHSGE Practice Tests.

Parabolas

- properties
- focus / directrix
- how to tell a quadratic from a linear equation
- the algebra of parabolas

$$ax^2 + bx + c = y$$

$$ax^2 + bx + c = 0$$

$$\Rightarrow QF$$

$$\Rightarrow \text{factoring}$$

Ch. 10 Study Guide $\Rightarrow$ Pages
574 to 578

- 10-1

- 10-4

Homework: Ch 10 Practice Test

Pg 579

4 to 7

12 to 14