

Name \_\_\_\_\_

### Precalculus: Conic Sections (CS)

Text: Chapter 10

Do all graphs on REAL graph paper!

Set	Date	Topics	Assignment	Done?
CS-1		Completing the square	HW Conics - 1	
CS-2		Circles	HW Conics - 2	
CS-3		Parabolas - writing eqns	HW Conics - 3	
CS-4		Parabolas - word problems	HW Conics - 4	
CS-5		Ellipses: standard form; graphing	HW Conics - 5	
CS-6		Ellipses: foci, eccentricity, writing equations	HW Conics - 6	
CS-7		Hyperbolas	HW Conics - 7	
CS-8		Compare and contrast conic sections	HW Conics - 8	
CS-R		Review	HW Conics Review	
			<b>Original Grade</b>	<b>Corrected</b>
CS-T		Test WITH CALC		

\*\*problems are worth an extra homework point

#### WebSites

Completing the Square applet illustrates proof without words

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=122>

Applet to complete the square (finds constant before perfect square), a not 1

<http://www.ltcconline.net/green/java/BasicAlgebra/CompleteTheSquare/CompleteTheSquare.html>

Bottomless worksheet for completing the square

<http://mathforum.org/mathtools/tool/15771/>

Applets to generate conic sections

<http://www.ies.co.jp/math/java/>

Catenary

<http://mathdemos.gcsu.edu/mathdemos/catenary/catenary.html>

Conic family of graphs

[http://mathdemos.gcsu.edu/mathdemos/family\\_of\\_functions/conic\\_gallery.html](http://mathdemos.gcsu.edu/mathdemos/family_of_functions/conic_gallery.html)