

Chapter 10

CONIC SECTIONS

Cornell Notes/Summary Sheet

Name: _____

Period: _____

	Prior Knowledge	Your Notes	
٠	Distance formula		
٠	Midpoint formula		
•	Pythagorean Theorem		
	<u>Lessons 10.1 – 10.3</u>	<u>Your Notes</u>	
•	Standard form equation of a circle		
•	Center & radius of a circle		
•	Translating circles		
•	Points on a circle		
•	Circles & tangents		
•	Circumference & area		
•	General form equation of a circle		
•	Completing the square		
	Lessons 10.4 & 10.5	Your Notes	
•	Parabolas	VERTICAL CENTER (0, 0)	HORIZONTAL, CENTER (0.0)
•	Standard form equation of a		
-	vertical/horizontal parabola	EQUATION	EQUATION
•	Center, directrix, & focus of a vertical/horizontal parabola	DIRECTRIX	DIRECTRIX
•	General form equation of a parabola	FOCUS	FOCUS
		VERTICAL, CENTER (H, K)	HORIZONTAL, CENTER (H, K)
		EQUATION	EQUATION
		DIRECTRIX	DIRECTRIX
		FOCUS	FOCUS
	Lesson 10.8	<u>Your Notes</u>	
•	General conic form & the relationship between <i>A</i> & <i>B</i> for circles, parabolas, ellipses, and hyperbolas		

REFER TO MY WEBSITE FOR ADDITIONAL RESOURCES: WWW.SCHULTZJEN.WEEBLY.COM

Lesson 10.6	Your Notes	
• Ellipses	VERTICAL, CENTER (0, 0)	HORIZONTAL, CENTER (0,0)
 Standard form equation of a vertical/horizontal ellipse Center vertices co-vertices & 	EQUATION	EQUATION
 foci of a vertical/horizontal ellipse Pythagorean relationship for an 	VERTICES	VERTICES
ellipse General form equation of an ellipse 	CO- VERTICES	CO- VERTICES
cmpse	FOCI	FOCI
	VERTICAL, CENTER (H, K)	HORIZONTAL, CENTER (H, K)
	EQUATION	EQUATION
	VERTICES	VERTICES
	CO- VERTICES	CO- VERTICES
	FOCI	FOCI
Lesson 10.7	Your Notes	
• Hyperbola	VERTICAL, CENTER (0, 0)	HORIZONTAL, CENTER (0,0)
 Standard form equation of a vertical/horizontal hyperbola Center, vertices, foci, and 	EQUATION	EQUATION
asymptotes of a vertical/horizontal hyperbolaPythagorean relationship for a	VERTICES	VERTICES
 hyperbola General form equation of a hyperbola 	FOCI	FOCI
	ASYMPTOTE	АЅУМРТОТЕ
	VERTICAL, CENTER (H, K)	HORIZONTAL, CENTER (H, K)
	EQUATION	EQUATION
	VERTICES	VERTICES
	FOCI	FOCI
	ASYMPTOTE	ASYMPTOTE