























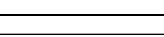


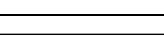



Unit Reflection: Conic Sections

 Learning Target	 Success Criteria (What you need to know) 	How well do you know this? (YOU)	Are you sure? (US)
CS1: Midpoint and Distance	<ul style="list-style-type: none"> ✓ Recognize the shapes derived from slicing a cone ✓ Given two points, find the midpoint between them ✓ Given two points, find the distance between them 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
CS2: Parabolas	<ul style="list-style-type: none"> ✓ Understand that a parabola is the set of points equidistant from a given point and line ✓ Identify the focus, directrix, vertex, latus rectum, and axis of symmetry of a parabola 	☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹
CS3: More Parabolas	<ul style="list-style-type: none"> ✓ Be able to identify the equations of a parabola ✓ Know how the numbers in a parabola equation can be used to find the vertex and orientation of the parabola ✓ Identify the vertex and orientation of a parabola given its equation ✓ Use the numbers in a parabola equation and formulas to find other quantities 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
CS4: Circles	<ul style="list-style-type: none"> ✓ Understand that a circle is the set of points equidistant from a given point ✓ Identify the center and the radius of a circle given its equation ✓ Use given information to find the equation of a circle 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹
CS5: Ellipses	<ul style="list-style-type: none"> ✓ Understand that an ellipse is the set of points whose distances to two given points have a constant sum ✓ Identify the center, the length of the semi-major axis and the length of the semi-minor axis of an ellipse given its equation ✓ Use the numbers in an ellipse equation and formulas to find other quantities ✓ Use given information to find the equation of an ellipse 	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹	☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹ ☺ ☹ ☹

<p>CS6: Hyperbolas</p>	<ul style="list-style-type: none"> ✓ Understand that an ellipse is the set of points whose distances to two given points have a constant difference ✓ Identify the center, the length of the semi-transverse axis and the length of the semi-conjugate axis of a hyperbola ✓ Use the numbers in an hyperbola equation and formulas to find other quantities ✓ Use given information to find the equation of a hyperbola 	   	   
<p>CS7: Identifying Conic Sections and Graphing</p>	<ul style="list-style-type: none"> ✓ Determine the type of conic section from an equation in expanded form ✓ Be able to graph a parabola given an equation in vertex form ✓ Be able to graph a circle given an equation in standard form ✓ Be able to graph an ellipse given an equation in standard form ✓ Be able to graph a hyperbola given an equation in standard form 	     	     
<p>CS8: Completing the Square</p>	<ul style="list-style-type: none"> ✓ Use the method of completing the square to write the equation of a conic section in standard form 	  	  

Reflections:

Goals for NEXT TIME: