

USD 230 Curriculum Map

Grade: 11th-12th Subject: Trigonometry

Unit: Chapter 9, Polar Coordinates and Complex Numbers Quarter Taught: 4

Tested State Indicators	District Objectives/Outcomes/ Key Concepts	Instructional Strategies	Student Activities or Product(s)	Resources Used	Methods of Assessment
none	<p>Graph polar coordinate points and polar equations</p> <p>Convert between polar and rectangular coordinate points and equations</p> <p>Add, subtract, multiply, divide, and graph complex numbers</p> <p>Convert complex numbers from rectangular form to polar form and vice versa</p>	<p><i>Declarative Knowledge</i> <input type="checkbox"/> 3 Minute Pause <input checked="" type="checkbox"/> Front Loading <input checked="" type="checkbox"/> Note-Taking <input checked="" type="checkbox"/> Graphs or Charts <input checked="" type="checkbox"/> Questions <input checked="" type="checkbox"/> Linking <input type="checkbox"/> Pegboard <input type="checkbox"/> 5-Step vocabulary</p> <p><i>Procedural Knowledge</i> <input checked="" type="checkbox"/> Think aloud <input checked="" type="checkbox"/> Shaping <input checked="" type="checkbox"/> Practice</p> <p><i>Extend/Refine Knowledge</i> <input checked="" type="checkbox"/> Comparing/contrasting <input checked="" type="checkbox"/> Classifying <input checked="" type="checkbox"/> Abstracting <input checked="" type="checkbox"/> Inductive/Deductive <input checked="" type="checkbox"/> Constructing Support <input checked="" type="checkbox"/> Analyzing Errors <input checked="" type="checkbox"/> Analyzing perspective</p>	<p>Polar graphs</p> <p>“Pretty Polars”</p>	<p>Parent graphs</p> <p>Text</p> <p>Worksheet</p>	<p>Daily warm up exercises</p> <p>Daily homework</p> <p>Quiz</p> <p>Chapter Test</p>