

Week/Dates	Unit	Topic	Book Reference & Supplemental Materials
Week 1 1/6 -1/11	1	Fractions: <ul style="list-style-type: none"> <li>• add, subtract, multiply divide complicated fractions</li> <li>• Complex numbers (add, subtract, multiply, divide)</li> <li>• rationalizing denominator, multiplying by conjugate</li> </ul> Radicals: <ul style="list-style-type: none"> <li>• Add, subtract, multiply, divide, simplify</li> </ul>	Supplemental Material Kuta
Week 2 1/12-1/15	2	Factoring polynomials: <ul style="list-style-type: none"> <li>• Quadratics</li> <li>• Cubics</li> <li>• Higher order polynomials</li> <li>• Greatest common factor</li> </ul>	P-2  Algebra 2 Material Kuta
Week 2 1/12-1/15	3	Solving rational equations	P-2 Algebra 2 Material
Week 3 1/19-1/22	4	Solving quadratic equations <ul style="list-style-type: none"> <li>• completing the square</li> <li>• taking square roots</li> <li>• quadratic formula</li> </ul>	P-2  Algebra 2 Material
Week 3 1/19-1/22	5	Solving systems of linear equations using matrices <ul style="list-style-type: none"> <li>• Reduced row echelon form by hand</li> <li>• rref on calculator</li> </ul>	Supplemental Material
Week 4 1/25-1/29	6	Conic Sections	Supplemental Material
Week 5 2/1-2/5	7	Trig Basics: <ul style="list-style-type: none"> <li>• Angles in standard position, coterminal angles, degrees, radians</li> <li>• Converting between degrees and radians</li> <li>• Arc length</li> </ul>	1-1  Kuta

Week 6 2/8-2/11	8	Right Triangle Basics: <ul style="list-style-type: none"> <li>• Pythagorean Theorem and its converse</li> <li>• Special right triangles</li> <li>• 6 trig functions</li> <li>• Solving right triangles</li> <li>• angles of elevation and depression</li> <li>• application problems involving one or multiple right triangles</li> </ul>	1-1,1-2, 1-3, 1-8  Supplemental Material Kuta
Weeks 7- 8 2/15-2/26	9	Unit Circle: <ul style="list-style-type: none"> <li>• Pythagorean Identities</li> <li>• Labeling unit circle: radians, degrees, coordinate pairs</li> <li>• Calculating tangent, cotangent, secant, and cosecant</li> <li>• Evaluate trig functions given point on terminal side of angle</li> </ul>	1-2, 1-4  Supplemental Material Kuta
Weeks 9- 10 2/29-3/11	10	Graphs of 6 trig functions <ul style="list-style-type: none"> <li>• Sine, cosine, tangent, cotangent, secant, cosecant</li> </ul>	1-5, 1-6 Kuta
Week 11-12 3/15-3/24	11	Solving trig equations: <ul style="list-style-type: none"> <li>• Simplifying, factoring, combining like terms, zero product property</li> </ul>	2-3
Week 13-14 3/29-4/8	12	Verifying Trig Identities	2-1, 2-2
Week 15-16 4/11-4/22	13	<ul style="list-style-type: none"> <li>• Sum and difference formulas</li> <li>• Multiple angle formulas</li> <li>• Product to sum formulas</li> </ul>	2-4, 2-5  Kuta
Week 17-18 4/25-5/6	14	<ul style="list-style-type: none"> <li>• Law of Sines</li> <li>• Law of Cosines</li> </ul>	3-1, 3-2 Kuta
Week 19 5/9-5/13	15	<ul style="list-style-type: none"> <li>• Vectors</li> <li>• Dot Products</li> </ul>	3-3, 3-4
Week 20-21 5/16-5/25		<ul style="list-style-type: none"> <li>• Final Exam Review</li> <li>• Final Exam</li> </ul>	