

### Pre-Calculus Quarter 3 Syllabus

Date	Section	Topic	Assignment (Exercises)	
	<b>Unit 6</b>	<b>Using Trigonometry</b>		
	4.7	Inverse Trigonometric Functions	HW 7	<b>P421:</b> 1-19 odd, 24-29, 37, 38, 59, 60 <b>P381:</b> 28, 30, 34 <b>P366:</b> 16, 18
	5.1	Fundamental Identities	HW 8	<b>P451:</b> 9-29 odd, 35, 51-63 odd <b>P421:</b> 23-31 odd <b>P246:</b> 39, 40
	5.2	Proving Trigonometric Identities	HW 9	<b>P460:</b> 1, 3, 11-17 odd, 23-31 odd, 41-51 odd <b>P451:</b> 10-16 even
	5.3	Sum and Difference Identities	HW 10	<b>P468:</b> 3, 5, 7, 12-22 even, 23, 25, 29, 31, 34, 35-41 odd, 48-50 <b>P460:</b> 19, 28, 30, 32
	5.4	Multiple-Angle Identities	HW 11	<b>P475:</b> 1-19 odd, 24-36 even, 37, 40, 41
	Review		Review	<b>P497:</b> 1-4, 7-15 odd, 23, 26, 29, 31, 33 <b>P440:</b> 69, 70, 77, 78, 80, 81
	Test	NOTES DUE		<b>ACT WS</b>
	<b>Unit 7</b>	<b>Trig, Parametric and Polar</b>		
	5.5	The Law of Sines	HW 12	<b>P484:</b> 1-11 odd, 37, 40, 45, 51 <b>P460:</b> 32, 34, 35, 44
	5.6	The Law of Cosines	HW 13	<b>P494:</b> 1-27 odd, 35, 38, 41 skip 13 & 15 <b>P475:</b> 23-24
	6.3	Parametric Equations and Motion	HW 14	<b>P530:</b> 7-10, 39, 40, 44, 47, 50, 63 <b>P421:</b> 2-8 even
	6.4	Polar Coordinates	HW 15	<b>P539:</b> 3-30 mult of 3 skip 24; 31-34, 50 <b>P484:</b> 2-10 even
	6.5	Graphs of Polar Equations	HW 16	<b>P548:</b> 3, 4, 13-17 odd, 25-35 odd, 45, 47, 50, 51 <b>P494:</b> 2-12 even
	Review	Review		<b>P562:</b> 15-21 odd, 25, 26, 53-57 odd, 65-71 odd, 79, 86, 88, 90
	Test	Notes Due		

The end of the second term is March 22<sup>nd</sup> all work after winter break will count on term 3. **No work will be accepted after March 15<sup>th</sup> (Miss Mendel's Birthday).**

**How to do my Homework:** Remember to write your **name, date,** and the **assignment including the page number** at the top right of each homework assignment. **Number the problem, write the problem, show your work, and work down the page in pencil!!**