

## **MTH 113 Emphasis Sheet**

Updated (March 2018)

Text: Precalculus, 7th ed., Stewart

<b>Sections</b>	<b>Topic</b>	<b>Problems</b>
5.1	The Unit Circle	1-53 odd
5.2	Trig Functions of Real Numbers	1-77 odd
5.3	Trig Graphs of Sine & Cosine Functions	1-48
5.4	Trig Graphs of Tangent & Cotangent Functions	1-52
5.5	Inverse Trig Graphs	
6.1	Angle Measure	1-85 odd
6.2	Trig of Right Angles	1-63 odd
6.3	Trig Functions & Angles	1-61 odd
6.4	Inverse Trig Functions	1-28, 31-40
6.5	Law of Sines	1-51
6.6	Law of Cosines	<b>1-36, 39-53</b>
7.1	Trig Identities	1-88
7.2	Addition & Subtraction Formulas	1-46
7.3	Double Angle, Half Angle and Product to Sum Formula	1-80
7.4	Basic Trig Equations	1-48
7.5	Trig Equations	1-72
8.1	Polar Coordinates	1-60
8.3	De Moivre's Theorem	1-91 odd
9.1	Vectors in Two Dimensions	
9.2	The Dot Product	

### **Conics**

<b>1.8</b>	<b>(pages 88, 89, 90) Circles</b>
<b>11.1</b>	<b>Parabolas (11.4, Shifted)</b>
<b>11.2</b>	<b>Ellipses (11.4, Shifted)</b>
<b>11.3</b>	<b>Hyperbolas (11.4, Shifted)</b>