**Pre Calculus Unit 2: Graphs of Circular Functions**

**Lesson 2.0 Exploration Activity: Graphing Periodic Functions**

 **(given on Unit 1 Test day!)**

**Lesson 2.1: Graph Changes:** $y=Asin\left(B\left(x-C\right)\right)+D$

 HW pp. 394-395 1,5,9,13,17,21,25,29,33,37,45,49 ***ONLINE SECTION 4.4***

**Lesson 2: Scale Changes and Translations**

 HW p.394 3,7,11,15,19,23,27,31,35,39

 p 395 (53,55,61,63,65, (Graph 61,63,65 by hand) ***ONLINE SECTION 4.4***

**Lesson 3: Writing Equations Given Graphs, Modeling Using Trig Functions**

 HW p 395 54,56,66-68 (66-68 graph by hand)

 p. 396 77,79,81,83,85; 93 (Be able to do 79 w/o calculator)

 ***ONLINE SECTION 4.4***

**Lesson 4: Graphs of Tangent, Cotangent, Secant, and Cosecant Functions**

 HW p 396 78,80 (without a calculator); 82,84,94,95 ***ONLINE SECTION 4.4***

 p. 403 (5-11 odd; 21-27 odd) ***ONLINE SECTION 4.5***

**Lesson 5: Inverses of Trig Functions (Relations only!)**

 HW p 403 6-12 even; 22-28 even ***ONLINE SECTION 4.5***

 p. 423 (1-11odd; 23-31odd; 47-51, 59,61) ***ONLINE SECTION 4.7***

**Lesson 6: Review**

 P. 439 36-38, 53-66, 69-72,77-82, 85-87,105,106 ***ONLINE UNIT 4 REVIEW***

 \*\* Be sure to practice writing equations given graphs

**Lesson 7: Test**