**Unit 4 Vectors, Parametric and Polar Equations**

***Lesson 1:  Introduction to Vectors***

         HW:  p. 511 1,5,9,13,17,21,25,29,33 ***ONLINE SECTION 6.1***

                  p. 519 1,5,13,17,21,23,29 ***ONLINE SECTION 6.2***

***Lesson 2:  Vector Applications- Forces and Bearings***

         HW: p. 511 3,7,11,15,19,23,27,31,35 ***ONLINE SECTION 6.1***

                  p. 519 3,7,15,22,24; p. 512 41,45;   p. 520 ***ONLINE SECTION 6.2***

***Lesson 3:  Parametric Equations***

HW:  p. 512 43; p. 520 47 ***ONLINE SECTION 6.1***

                   p.530 1,5,9,13,17,21,37,39,43 ***ONLINE SECTION 6.3***

***Lesson 4:  Polar Points and Equations***

 HW: p. 530 3,7,11,15,19,40,44 ***ONLINE SECTION 6.3***

               p. 539 1,5,9,13,17,21,25,29 (rename 3 ways); 35,39,43, 51 ***ONLINE SECTION 6.4***

               p. 548 1-7;( be able to identify 25-41 without a calculator) ***ONLINE SECTION 6.5***

***Lesson 5:  Complex Numbers***

HW:  p. 539 3,7,11,15,19,23,27,53 ***ONLINE SECTION 6.4***

                 p. 558 1,5,9,13,17,21,25 ***ONLINE SECTION 6.6***

**\*\* You are responsible for material on p. 227 (1-47).  This should be review.**

***This is online section 2.5***

***Lesson 6:  Powers and Roots of Complex Numbers***

HW:    p. 558 3,7,11,15,19,23, 31,35,39,43,47,51,67 ***ONLINE SECTION 6.6***

                               p. 558 (31-55 every other odd); 67-69

***Lesson 7:  Review***

p. 561 (1-10; 13-28; 35-68; 75-77; 84-86) ***REVIEW SECTION***

**Lesson 8: TEST**

**Pre Calculus Unit 3: Identities**

**Lesson 1: Fundamental Identities-**

               HW p. 451 (1-49 odd)

**Lesson 2: Proving Trig Identities-**

                HW pp 460-461 11,19,27,35,43,51

**Lesson 3:  Sum and Difference Identities -**

HW: pp. 460-461 13,21,29,37,45

                         pp 468-469 1,5,9,13,17,21,25,29

**Lesson 4:  Double Angle and Half Angle Identities--**

HW pp 468-469 3,7,11,15,19,23

                         p. 475 (1-4; 11,15,19,31,35)

**Lesson 5 Inverses and Solving Trig Equations-**

               HW p. 452 (51-67 odd); p. 475 (5-9 odd; 23-29 odd)

**Lesson 6:  Review--**

                p. 497 (1-44)

**Lesson 7:  Test  GOOD LUCK!--**