AP CALCULUS – AB

CHAPTER # 1: PREREQUISITES

ASSIGNMENTS:
0.   WS-1.0
1. **Read-(1.1)** Do p.7: (2-35)x3, 37,39,43-45,47-49   **Lines**
2. **Read-(1.2)** Do p.17:(3-33)x3, 35,36,39,42,45,49   **Functions and Graphs**
3. continued: 53,57,65,66, **WS # 1.2C**: (1-3,5) & **WS #1.2D**: (1-3, 7-9)   **parent functions**
                                                    "New functions from old"
4. **Read-(1.3)** Do p.24: (3-21)x3, 22, 24-29, 34,38   **Exponential Functions**

QUIZ 1.1-1.3
5. **log worksheet 1.5A**
6. **Read-(1.5)** Do p.39: (3-24 & 33-42)x3, 43(f $^{-1}$ only), 48,50 **Inverse Functions and Logarithms**
7. **Read-(1.6)** Do p.48: (2-34)EOE-#34 calculator, 39   **Trigonometric Functions**
8. continued: **WS # 1.6B**: (X 10 – logs), and (X 6 exponents)
9. **WS#1.6C:** (1,2,5,6 only)
10. Review **WS 1.6D** (1,2,3,6)

GROUP TEST
TEST CHAPTER #1

OUTCOMES:
0. **VOCABULARY:** numerical, graphical, analytical, and verbal approach, increment, slope, Point-Slope form, Slope-Intercept form, General form, slopes of // and ⊥ lines, domain, range, regression analysis, odd/even functions, piece-wise functions, symmetry, composite functions, independent/dependent variable, open/closed interval, exponential growth/decay, e, one to one, horizontal/vertical line tests, inverse of a function, f $^{-1}$, identity function, logarithms, change of base formula, radians, periodic function, $y = Af(B(x - C)) + D$

1. FIND DOMAIN AND RANGE OF A FUNCTION
2. GRAPH AND UNDERSTAND FUNCTIONS:
   a. linear
   b. exponential
   c. logarithmic
   d. trigonometric
3. UNDERSTAND "New functions from old"
4. UNDERSTAND ODD,EVEN, AND PERIODIC FUNCTIONS
1975-1
1973-1 in class

(4-43)x3 means every third: 4,7,10,……43
(3-15)X5 means omit number 5
(3-15)EOO: means every other odd: 3,7,11,15
http://www.dudefree.com/Student_Tools/materials/precalc/unit-circle.php