REVIEW TEST #1 Chapters 1, 2, and

Review the following homework problems:

Chapter 1 – The Six Trigonometric Functions

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      Section 1.1
      10, 14, 27, 33, 37, 39, 44, 46, 47, 53, 55

      Section 1.2
      80, 81

      Section 1.3
      29, 31, 33, 35, 43, 45, 49, 53, 59, 61, 63, 65, 67, 71

      Section 1.4
      27, 31, 35, 39, 43, 47, 49, 51, 53, 55

      Section 1.5
      21, 25, 27, 31, 35, 39, 43, 49, 57, 71, 75, 79, 83, 85, 89, 91
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Chapter 2 – Right Triangle Trigonometry

Handout	All problems
Section 2.1	27 - 51 odd
Section 2.2	15, 19, 23, 27

Chapter 3 – Radian Measure

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Section 3.1 13, 17, 21, 25, 67, 69, 71, 73, 75, 77, 79
Section 3.2 9, 51 – 63 odd, 77, 77, 81
Section 3.3 1, 3, 9, 11, 13, 15, 17, 19, 21, 39, 41, 42, 45, 47, 49, 51, 52, 53, 54, 55, 57, 59
Section 3.4 Section 3.5 5, 12, 20, 21, 28, 43, 49, 53, 55
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( Answers: -1, +1,0)
 (1) Find sin 11, cos 71, tan 61
2) Find the exact values of
           a) sin450 + cos600
           b) sin 30° - cos 45°
            c) \tan \frac{\sqrt{3}}{3} + \cos \frac{\sqrt{3}}{3}
3) Find all the other trigonometric functions of 5
                                              (Answers: sint = Vio
         if tan 0 = - soud sin 0 >0
(4) Simplify:
                                                      (Answer: 0)
          Sin (-20°) + tan 200°
      White fant in terms of cost
 (6) if 1(0) = cos 4 and f(a) = 4, find:
                 a) f(-a)
b) f(a) + f(a+2i) + f(a-2i) (a) \frac{1}{4} (b) \frac{3}{4} )
       Prove the following identities:
      a) tan\theta \cot \theta - \cos^2 \theta = \sin^2 \theta
       b) 9 sec + - 5 tan + = 5 + 4 sec + +
             THUIDD + THUIDD = 2 FICE
             \frac{\int ec \theta}{1-\int d\theta} = \frac{1+\int d\theta}{\partial \theta}
        e) \cos\theta + \sin\theta - \sin^3\theta = \cot\theta + \cos^2\theta
        f) tan x tan p = \frac{tan x + tan \beta}{\cot x + \cot \beta}
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