Answer Key to Practice Test
Final Exam
Stat 308

1.  
   a. 0.0475  
   b. 0.3830  
   c. 0.9901  
   d. $2,902,000

2.  
   a.-d. Test statistics = -6.8512
   Degrees of Freedom = 284  -since df >>> 30, could use normal table instead of t-table-
   Since -6.8512 < -2.576, reject $H_0$. That is, there is evidence of a difference in forward striving between the two groups.
   e. p-value < 0.05, hence, there is evidence of difference in attitude towards money.
   f. (-8.07,-6.27). The attitude of the Japanese w.r.t. advancement is a lot higher than their American counterparts.

3.  
   a. 271  
   b. Test statistics = -2.89
   Since -2.89 < -1.28, there is evidence of higher support from mother than fathers.
   c. (0.6663, 0.7337)
   d. Wider since margin or error will be larger.

4.  
   a.-f. Test statistics = 1.2649
   p-value = 0.1038
   Hence, there is no evidence to reject the null hypothesis. Likely to commit the Type II error.

5.  
   Test statistics = 0.5876
   p-value = 0.7224
   Hence, there is not enough evidence to reject the null hypothesis.