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

2. a. \( H_0: \)
    \( H_0: \)
   b. Test statistics = -6.8512
   c.&d Critical Values: -2.58 and 2.58 (two tail test)
   Since -6.8512 < -2.58, 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. \( H_0: \)
    \( H_0: \)
   Test statistics = -2.89
   Critical value = -1.28
   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. \( H_0: \)
   \( H_0: \)
   b. Large sample?
   \( n = 1000 > 30, np_0=500 > 5 \) and \( nq_0=500 > 5 \)
   c. Test statistics = 1.2649
   d. p-value = 0.1038.
   e. Accept \( H_0 \)
   f. We are likely to commit the Type II error.

5. i. \( H_0: \)
    \( H_0: \)
   ii. Test statistics = 0.5876
   iii. p-value = 0.7224
   iv. There is not enough evidence to reject the null hypothesis. p-value > 0.10.