Suggested answers to Review for Test-2 questions

1) Between $47 and $63

2) Between .3882 and .6118

3) .3361

4) a) .1831 (make sure to check assumptions and conditions)

   b) The probability of having more than 20 out of 45 students with stress related problem is .05, which is very low. I would be surprised.

5) .0021 = .21%

6) .1587 = 15.87%

7) .1395 = 13.95%

8) .9192 = 91.92%

9) The probability of having 58% or more of tails in 200 tosses is only .0119, Which is a very low.

10) .1693 = 16.93%

11) .7722 = 77.22%

12) $\hat{y} = 2.4\,x + 56$

14)) $\hat{y} = 8225.06\,x - 558.52$

18) r = .9937