

AP Statistics Chapter 18 - 19 Review

****ANSWERS ONLY**** for parts I and II (for explanations, please come in for tutorials)

Part I – Multiple Choice

1. D 2. C 3. D 4. C 5. E 6. C

Part II – Free Response (mostly)

7. a) skewed to the left
b) Skewed to the left (since sample size < 30), mean of 100 oz., standard deviation of 4.33 oz.
c) skewed to the left
d) Roughly normal (since sample size > 30), mean of 100 oz., standard deviation of 1.677 oz.
8. "I" is more likely
9. a) at least 115.6 b) 0.4470 c) 0.1508 d) No....
10. a) 668 people (that's using $z^* = 2.326$... if you use $z^* = 2.33$, then your answer should be 671 people)
b) 0.6185
11. a) **[SORRY... CHECK YOUR NOTES FOR THIS ONE!]**
b) (0.179, 0.275) **[DON'T FORGET TO INTERPRET THE INTERVAL AS WELL!]**
c) ???
d) 2048 (using $z^* = 1.81$)
12. Only statement "c" is true
13. ???