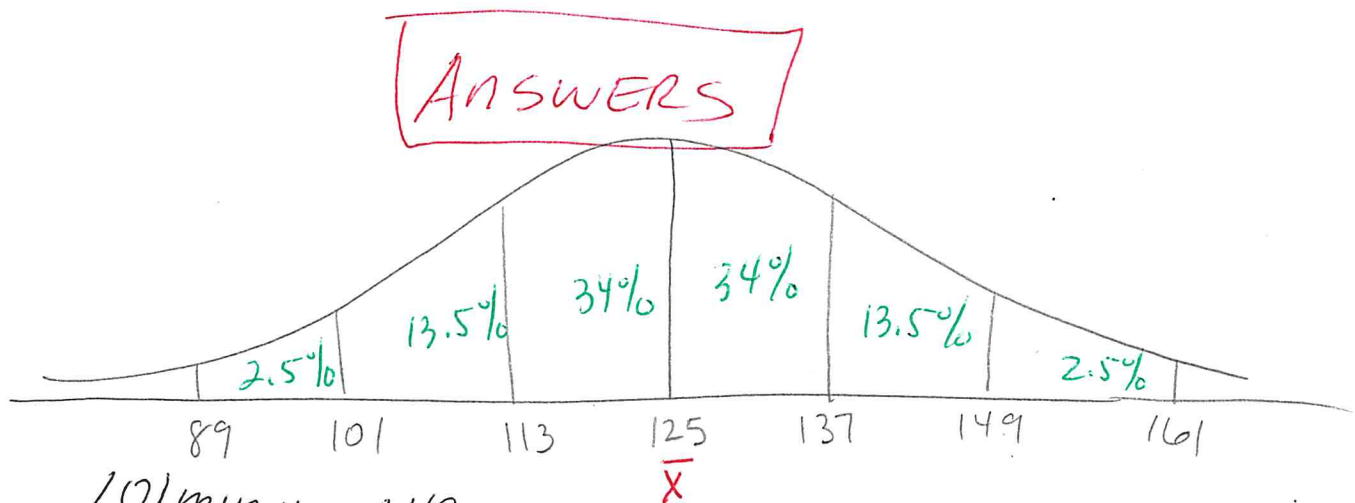


Algebra 2 Bellwork Friday, June 5, 2015

1. The amount of time it takes a group of students to finish a standardized test is normally distributed with a mean of 125 minutes and a standard deviation of 12 minutes. There were 420 students in the group.

- What is the range of times for which 95% of the students will finish?
- What percent of the students took more than 137 minutes to finish the test?
- What percent of the students took between 101 and 125 minutes to finish the test?
- How many students finished the test faster than 113 minutes?
- If you are part of the slowest 2.5% of test takers you would have to have taken how many minutes to finish the test?
- If a student is taken at random what is the probability that they took between 113 and 137 minutes to finish the test?
- If you took 140 minutes to finish the test, what percent of the students finished before you?
- If you took 2 hours and 15 minutes to complete the test, what percent of students were still working on the test when you finished?



a) ~~89 to 161 min~~ 101 min to 149 min

b) 16%

c) 47.5%

d) 16% of 420
 ≈ 67 students

e) More than 149 min

f) 68%

g) Between 84% and 97.5%

h) Between 50% & 16%