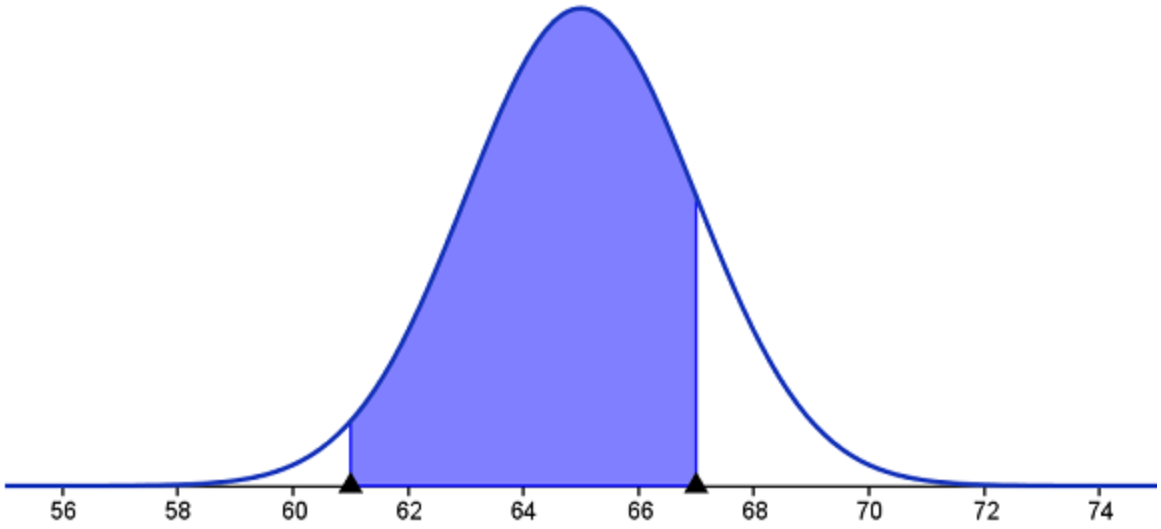
ID.4

4. A certain population of women had a mean height of 65” with a standard deviation of 2”, as shown on the normal curve below.

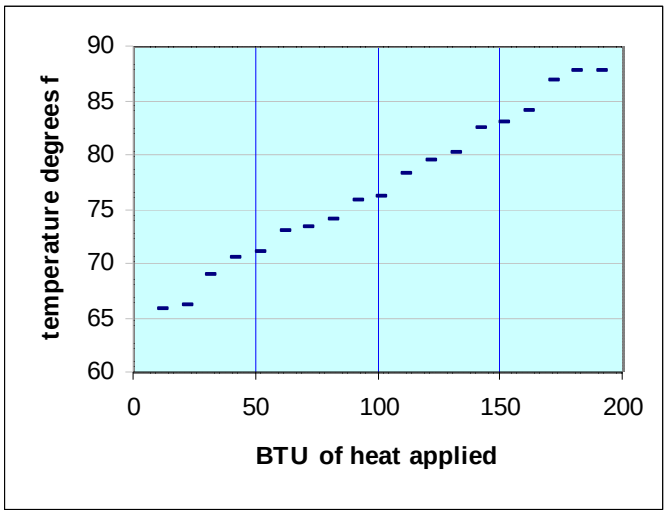


Based on the give information, what is the probability that a randomly selected woman in this group is between 61 and 67 inches tall? Round your answer to the nearest tenth of a percent.

Write your answer here: _____%

ID.9

11. Write “true” or “false” beside each statement about the graph shown below.



_____ Increased BTUs have a weak negative correlation with higher temperatures.

_____ Lower temperatures are caused by reducing the number of BTUs.

_____ The graph shows a positive correlation between increased temperature and increased BTUs.

_____ The equation for the line of best fit can imply a causal relationship if the correlation coefficient is greater than 1.

CP.7

24. A number between 1 and 30 is randomly generated. What is the probability that the number is even or the number is a multiple of 3?

Write your answer here as a decimal to the nearest hundredth: _____

CP.8

25. Dean did not study for his multiple-choice quiz in History. Each question had four answer choices, and there were 5 questions. Since he had not studied, he guessed randomly on all five questions.

Choose the correct probability from the box for each situation. Write it in the blank.

25.000 %	60.000 %	7.910 %	40.000 %
0.098 %	2.637 %	75.000 %	23.730 %

_____ Dean answered only the first question correctly.

_____ Dean answered each question correctly.

_____ Dean answered the first and third questions correctly and the others were wrong.

_____ Dean answered all five questions incorrectly.

