

Group Assignment #4

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The heights of female college students are considered to be normally distributed with mean height of 61.52 inches and standard deviation of 4.58 inches.

Q1

What is the z-value (standardized value) associated with a female's height of 64 inches?

- A) -0.541487
- B) 1.73921
- C) 2.44982
- D) 0.541487

Q2

What is the probability of a female's height being less than 58 inches?

- A) 0.541487
- B) 0.221077
- C) 0.210771
- D) 0.541487

Q3

What is the probability of a female's height being greater than 64 inches?

- A) 0.0.2859
- B) 0.266077
- C) 0.240771
- D) 0.294086

Q4

What is the probability of a female's height being between 1.5 standard deviations of the mean?

- A) 0.866
- B) 0.889
- C) 0.134
- D) 0.112

Q5

What is the quantile of female's height associated with the 75% percentile?

- A) 65.847
- B) 64.609
- C) 62.567
- D) 68.754