

1. (1 point)

Find the critical z^* for a level 66

$z^* =$ _____

Answer(s) submitted:

- -0.4

(incorrect)

2. (1 point)

Find the critical z^* for a level 87.04

$z^* =$ _____

Answer(s) submitted:

- -1.1

(incorrect)

3. (1 point)

The distribution of study times for first year students follows a Normal distribution with standard deviation $\sigma = 65$ minutes. Suppose a sample of 305 students found that the mean study time for these students was $\bar{x} = 180$ minutes per week. Use this to find a 95

We are 95

_____ minutes and _____ minutes.

Answer(s) submitted:

- 180 -95
- 65/ ^305

(incorrect)

4. (1 point)

The distribution of study times for first year students follows a Normal distribution with standard deviation $\sigma = 51$ minutes. Suppose a sample of 393 students found that the mean study time for these students was $\bar{x} = 162$ minutes per week. Use this to find a 95.14

We are 95.14

_____ minutes and _____ minutes.

What is the margin of error for your confidence interval?

Margin of error = _____

Answer(s) submitted:

- (162-95.4)
- (51/ ^393)
- 185.61

(incorrect)

5. (1 point)

Scores on a standardized exam are known to follow a normal distribution with standard deviation $\sigma = 15$. A researcher randomly selects 135 students and computes their average score. He reports that the mean score is 76.6, with a margin of error of 2.260.

How confident are you that the mean score for all students taking the exam is in the interval (74.34, 78.86)?

Confidence = _____

Answer(s) submitted:

- 100

(incorrect)

6. (1 point)

The distribution of scores on a standardized test is approximately Normal with standard deviation of $\sigma = 14$. If a sample of 90 students had a mean score of $\bar{x} = 75.4$, use this to find a 99

We are 99 _____ to _____.

What is the margin of error for your confidence interval?

Margin of error = _____

Answer(s) submitted:

- 75.4 - 99
- 14/ ^90
- 59.825

(incorrect)

7. (1 point)

A researcher wants to estimate the mean blood cholesterol level of young men ages 15-25 with a 88.44

A sample of at least _____ people.

Answer(s) submitted:

- 350

(incorrect)

8. (1 point)

A researcher wants to estimate the mean blood cholesterol level of young men ages 15-25 with a 95.37

A sample of at least _____ people.

Answer(s) submitted:

- 200

(incorrect)