

MATH 3307: Extra Credit for Homework 6

Reminders:

- Extra Credit questions are difficult and involve more work than a standard homework question.
- You will receive up to 10% additional points (not to exceed full credit) on the related Homework Assignment only. Keep in mind for an assignment graded out of 10 to 20 points, this is only 1 or 2 additional points.
- Unlike assigned homework questions, extra credit questions should not be brought to your instructor or to tutoring services for assistance.
- Correct Answers with valid explanation of your process will receive credit only.
- These are due the Sunday following their related Homework assignment by 11:59 pm.
- Submit Answers to <https://forms.gle/yw89xJe8PBrqvF5J7> (Late Answers will not be accepted.)

A bivariate data set consists of the following ordered pairs:

[(1, 85), (2, 79), (3, 62), (4, 58), (5, 43), (6, 46), (7, 37), (8, 32), (9, 24), (10, A)]

After linear regression analysis was performed, the resulting LSRL is:

$$\hat{y} = -7.4242x + 88.9333$$

What percentage in the variation in y-coordinate can be explained by the LSRL of y onto x?

Round your percentage answers to four decimal places.