Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

4.5 WS answers with no work. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

1. IN CLASS EXAMPLE
    a. Graph with positive association
    b. Answers will vary with coordinates on your line from a. One example: (30, 110)
    c. Answers will vary depending on the points you choose in b. One example: y = 5x – 40
    d. y = 4.87x – 37.7
    e. r = 0.936, positive correlation and very strong
    f. $5000 per foot , the y-intercept is not meaningful because it is negative and does not exist in this scenario.
    g. $69,000

2. (Actually the second #1 and the start of homework)
    a. Graph with all the coordinates plotted, line of best fit drawn, axes labeled with numbers and words. Then ordered pairs can vary, but should be on your line. One example: (83, 162)
    b. Answers will vary depending on the points you chose in a. One example: y = 21x – 1581
    c. y = 29.08x – 2279.801
    d. r = 0.974, positive correlation and very strong
    e. As the temperature goes up a degree Fahrenheit the number of people at the beach increases by 21 people. The y-intercept is not meaningful in this scenario because you cannot have a negative number of people.
    f. F(76) = -69.721, not realistic
    g. About 81°F

3. (Actually #2 and the second homework problem)
    a. Graph with all the coordinates plotted, line of best fit drawn, axes labeled with numbers and words. Then ordered pairs can vary, but should be on your line. One example: (5, 11)
    b. Answers will vary depending on the points you chose in a. One example: $y = \frac{3}{2}x + \frac{7}{2}$
    c. y = 1.393x + 4
    d. r = 0.970, positive correlation and very strong relationship
    e. Almost 2 gloves are sold each time an inch of snow falls. Before any inches of snow fell 4 gloves were sold.
    f. f(12) = 21, almost 21 pairs of gloves
    g. No inches of snow when 4 gloves were sold.
    h. Yes, with r = 0.970 there is a strong relationship between snowfall and the number of gloves sold.
    i. Yes, the inches of snowfall cause the sale of gloves to go up.