Answers to Practice for Test 1
Math 125 (Introductory Statistics) *Kovitz* Spring 2025

1. (B) No.

2. (C) more

3. (B) 66.45 inches

4. (A) -0.05

5. (a) False. It's the opposite: As weight increases, education decreases.

   (b) True, as education increases, weight decreases.

   (c) True. See the first bullet in the box on page 143.

   (d) False. The correlation will reamin the same. Read the last paragraph on page 141 continued on page 142. Change of scale is an instance of the third bullet on the box on page 143.

   (e) True, as weight decreases, education increases.

   (f) False. Association is not causation. See the box on page 150.

6. (a) 12.6375 years

   (b) (B) False.

7. (C) between the 10th and the 50th

8. (E) 24