

STAT230 - McClave *et al.*, - Answers - Chapters 4

Note that these are bare answers. What you present as homework must have problem statements or otherwise be self-contained and must have explanations.

There is a reward for finding misprints in these solutions.

4.30

b. $E(x) = 6.50$

c. $\sigma = 1.9975$

e. 0.70; 0.95

4.40

a. 0.121

b. 0.034

c. 0.081

d. 0

e. 0.998

f. 0.137

4.54

a. 0.3917

b. 0.6083

4.64

d. No

4.84

a. 0.4772

b. 0.4987

c. 0.4332

d. 0.2881

4.86

a. 0.6826

b. 0.9544

c. 0.6934

d. 0.6378

e. 0.9901

f. 0.9901

4.148

c. $z = -2.25$

d. $z = 1.50$

5.10

a. 19.3

b. 19.3 ± 3.44

(Yes, I know this is Chapter 5. It belongs here, though.)