

MAT-120 – HW #5– Answers

Please select the correct answer number of each question. There are more answers than questions.
Answers may be repeated.

1.

$$\text{Range} = \$143.0; \bar{x} = \$417.40; s = \$60.4.$$

2.

$$\text{Range} = \$85.0; \bar{x} = \$249.0; s = \$33.1.$$

3. Mean= 87

$$\text{Range} = 16.8$$

$$\text{Standard deviation} = 6.23$$

$$\text{Variance} = (6.23)^2$$

4.

$$\text{Range} = 54 \text{ deer/km}^2; \text{ sample mean } \bar{x} = 20.9 \text{ deer/km}^2; \text{ sample variance } s^2 = 225.0; \text{ sample standard deviation } s = 15.0 \text{ deer/km}^2.$$

5.

$$\text{Population standard deviation } \sigma = 14.8 \text{ carats.}$$

6.

$$\text{Range} = 10 \text{ years.}$$

7.

$$\text{Range} = 43.3 \text{ carats.}$$

8.

$$\text{Population mean } \mu = 40.3 \text{ carats.}$$

9.

$$\text{Sample mean } \bar{x} = 6.57 \text{ years.}$$

10.

Mean= 87

Range= 16.8

Standard deviation= 6.73

Variance= $(6.23)^2$