
Exercise 8.4 Answers

1a. $\mu = 35, \sigma = 5.92$ (3sf)

1b. $\mu = 175, \sigma = 13.2$ (3sf)

1c. $\mu = 350, \sigma = 18.7$ (3sf)

2a. $\mu = 20, \sigma = 4.47$ (3sf)

2b. $\mu = 100, \sigma = 10$ (3sf)

2c. $\mu = 1000, \sigma = 31.6$ (3sf)

3a. $\mu = 10, \sigma = 3.16$ (3sf)

3b. $\mu = 0.192$ (3sf), $\sigma = 0.439$ (3sf)

3c. $\mu = 0.833$ (3sf), $\sigma = 0.913$ (3sf)

4a. $\mu = 2.5, \sigma = 1.58$ (3sf)

4b. $\mu = 17.5, \sigma = 4.18$ (3sf)

4c. $\mu = 75, \sigma = 8.66$ (3sf)