**Section 2 Assessment**

**Question 1**

4.0/4.0 points (graded)

Consider the vector x <- c(2, 43, 27, 96, 18).

Match the following outputs to the function which produces that output. Options include sort(x), order(x), rank(x) and none of these.

1, 2, 3, 4, 5

correct

1, 5, 3, 2, 4

correct

1, 4, 3, 5, 2

correct

2, 18, 27, 43, 96

correct

You have used 2 of 3 attempts Some problems have options such as save, reset, hints, or show answer. These options follow the Submit button.

**Question 2**

4/4 points (graded)

Continue working with the vector x <- c(2, 43, 27, 96, 18).

Match the following functions to their output. Options include integers 1 through 5 and none of these.

min(x)

correct

which.min(x)

correct

max(x)

correct

which.max(x)

correct

You have used 1 of 2 attempts Some problems have options such as save, reset, hints, or show answer. These options follow the Submit button.

**Question 3**

2.0/3.0 points (graded)

Mandi, Amy, Nicole, and Olivia all ran different distances in different time intervals. Their distances (in  
miles) and times (in minutes) are as follows:

name <- c("Mandi", "Amy", "Nicole", "Olivia")  
distance <- c(0.8, 3.1, 2.8, 4.0)  
time <- c(10, 30, 40, 50)

Write a line of code to convert time to hours. Remember there are 60 minutes in an hour. Then write a line of code to calculate the speed of each runner in miles per hour. Speed is distance divided by time.

How many hours did Olivia run?

Report 3 significant digits.

incorrect

Loading

What was Mandi's speed in miles per hour? correct

4.8 Loading

Which runner had the fastest speed?

correct

You have used 10 of 10 attempts