

<u>Course</u> > <u>Section 2: Vectors, ...</u> > <u>Section 2 Assessme</u>... > Section 2 Assessme...

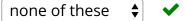
Section 2 Assessment

Question 1

4/4 points (graded) Consider the vector $\mathbf{x} \leftarrow \mathbf{c}(2, 43, 27, 96, 18)$.

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



1, 5, 3, 2, 4



1, 4, 3, 5, 2

rank(x) 💠 🗸

2, 18, 27, 43, 96



Submit

You have used 3 of 3 attempts

✓ Correct (4/4 points)

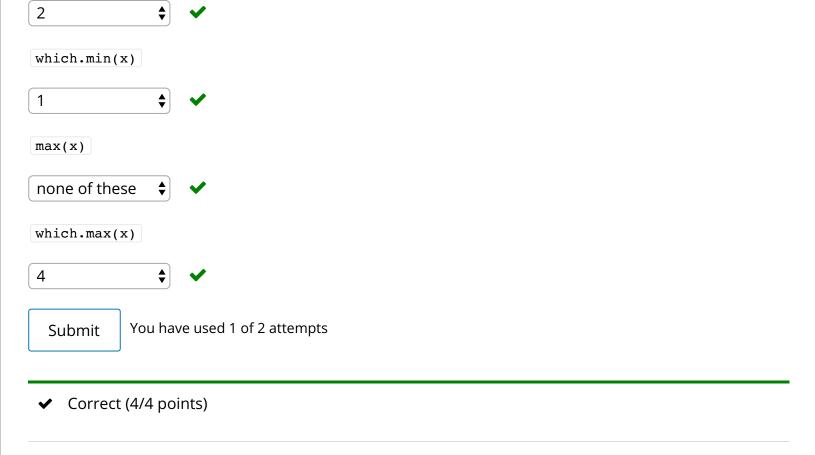
Question 2

4/4 points (graded)

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

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

min(x)



Question 3

3/3 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)</pre>
```

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.



What was Mandi's speed in miles per hour?



Which runner had the fastest speed?

Amy

✓

Submit You have used 3 of 10 attempts

✓ Correct (3/3 points)

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