Lab 6 Assessment

Due 6 Nov at 6:00 **Points** 4 **Questions** 4
Available 25 Oct at 6:00 - 6 Nov at 6:00 **Time limit** None
Allowed attempts 3

This quiz was locked 6 Nov at 6:00.

Attempt history

	Attempt	Time	Score
LATEST	Attempt 1	9,551 minutes	4 out of 4

ⓘ Answers will be shown after your last attempt

Score for this attempt: **4** out of 4
Submitted 5 Nov at 14:57
This attempt took 9,551 minutes.

Question 1

1 / 1 pts

Find a value of x for which the following vectors are linearly dependent?

[2 -2 4], [4 -6 7], [-2 2 x]

- 3
- -4
- -7/2
- -7/3

Question 2

1 / 1 pts

True or false: The columns of any 4x5 matrix are linearly dependent.

- (●) True
- ( ) False

Question 3

1 / 1 pts

With T defined by T(**x**) = A**x**, find a vector **x** whose image under T is **b**.

A = [1 0 -2;-2 1 6;3 -2 -5], **b** = [-1;7;-3]

- (●) [3;1;2]
- ( ) [3;1;1]
- ( ) [1;1;1]
- ( ) None of the above

Question 4

1 / 1 pts

How many rows and columns must a matrix A have in order to define a mapping from R^5 into R^7 by the rule T(**x**) = A**x**?

- (●) 7 rows, 5 columns
- ( ) 5 rows, 7 columns

- 5 rows, 4 columns
- 4 rows, 2 columns

Quiz score: **4** out of 4