Lab 6.5 Assessment

Due 6 Nov at 6:00 **Points** 3 **Questions** 3
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	13 minutes	3 out of 3

ⓘ Answers will be shown after your last attempt

Score for this attempt: **3** out of 3
Submitted 5 Nov at 15:13
This attempt took 13 minutes.

Question 1

1 / 1 pts

How would you plot the vector a = [3,7] using the quiver command?

- quiver(a(1),a(2),0), axis equal
- quiver(a(1),a(2)), axis equal
- quiver(0,a(1),a(2),0), axis equal
- quiver(0,0,a(1),a(2),0), axis equal

Question 2

1 / 1 pts

Let M = [0 -2; 2 0]

Which statement geometrically describes what this linear transformation will do?

- Rotates counter clockwise through 90 degrees and quadruples the length.
- Rotates counterclockwise through 180 degrees.
- Rotates counterclockwise through 90 degrees and doubles the length.
- Rotates clockwise through 90 degrees and doubles the length.

Question 3

1 / 1 pts

Suppose T: R^n --> R^m is a linear transformation and there is a vector **v** (not the zero vector) such that T**v**=**v**. Then,

- T might be a rotation, shear, reflection or a projection
- T might be a reflection, projection or shear, but not a rotation
- T might be a reflection or projection, but not a rotation or shear
- T might be a reflection shear or rotation, but not a projection

Quiz score: **3** out of 3