

Math 308 E, Spring 2018 quiz 2

You have 3 minutes to complete the quiz. This quiz is out of 10 points.

Name: _____

- (5 points) Suppose u, v and w are any three vectors in \mathbb{R}^7 . Give any equivalent definition of what it means for $\{u, v, w\}$ to be linearly independent.
- (5 points) Give an example of any three vectors x, y , and z in \mathbb{R}^2 such that $\{x, y\}$, $\{y, z\}$ and $\{x, z\}$ are linearly independent, but $\{x, y, z\}$ is linearly dependent.