

## Module V: Vector Spaces

### Readiness Assurance Outcomes

Before beginning this module, each student should be able to...

- Use set builder notation to describe sets of vectors.
- Add Euclidean vectors and multiply Euclidean vectors by scalars.
- Add polynomials and multiply polynomials by scalars.
- Perform basic manipulations of augmented matrices and linear systems **E1,E2,E3**.

### Readiness Assurance Resources

The following resources will help you prepare for this module.

- Set Builder Notation: <https://youtu.be/xnfUZ-NTsCE>
- Adding and subtracting Euclidean vectors (Khan Academy): <http://bit.ly/2y8A0wa>
- Linear combinations of Euclidean vectors (Khan Academy): <http://bit.ly/2nK3wne>
- Adding and subtracting polynomials (Khan Academy): <http://bit.ly/2d5SLGZ>