

## Readiness Assurance Outcomes

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

- Solve a system of linear equations (including finding a basis of the solution space if it is homogeneous) by interpreting as an augmented matrix and row reducing (**Standard(s) E1, E2, E3, E4**).
- State the definition of linear independence, and determine if a set of vectors is linearly dependent or independent (**Standard(s) V5**).
- State the definition of a spanning set, and determine if a set of vectors spans a vector space or subspace (**Standard(s) V6, V7**).
- State the definition of a basis, and determine if a set of vectors is a basis (**Standard(s) V8, V9**).

## Readiness Assurance Resources

The following resources will help you prepare for this module.

- Review the supporting Standards listed above.