

# Chapter 3

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## **Eigenvalues and Eigenvectors**

In the last chapter we learned all about linear transformations from one vector space to another. Now we're going to focus our attention on the study of linear operators, which are linear transformations from a vector space to itself. The deepest results in linear algebra are related to linear operators, so this chapter is going to be a good one. Stay tuned.

## **Invariant Subspaces**