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## **DERIVATIVES**

**2.1** Derivatives and Rates of Change

WRITING PROJECT • Early Methods for Finding Tangents

**2.3** Basic Differentiation Formulas

APPLIED PROJECT • Building a Better Roller Coaster

2.5 The Chain Rule

APPLIED PROJECT • Where Should a Pilot Start Descent?

2.6 Implicit Differentiation

LABORATORY PROJECT • Families of Implicit Curves

**2.8** Linear Approximations and Differentials

LABORATORY PROJECT • Taylor Polynomials