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APPLICATIONS OF INTEGRATION

7.1 Areas Between Curves

APPLIED PROJECT ▪ The Gini Index

7.2 Volumes

DISCOVERY PROJECT ▪ Rotating on a Slant

7.4 Arc Length

DISCOVERY PROJECT ▪ Arc Length Contest

7.6 Applications to Physics and Engineering

APPLIED PROJECT ▪ Calculus and Baseball

7.7 Differential Equations

APPLIED PROJECT ▪ How Fast Does a Tank Drain?

APPLIED PROJECT ▪ Which Is Faster, Going Up
or Coming Down?