

CALCULUS EARLY TRANSCENDENTALS EIGHTH EDITION

JAMES STEWART

McMASTER UNIVERSITY
AND
UNIVERSITY OF TORONTO



This is an electronic version of the print textbook. Due to electronic rights restrictions, some third party content may be suppressed. Editorial review has deemed that any suppressed content does not materially affect the overall learning experience. The publisher reserves the right to remove content from this title at any time if subsequent rights restrictions require it. For valuable information on pricing, previous editions, changes to current editions, and alternate formats, please visit www.cengage.com/highered to search by ISBN#, author, title, or keyword for materials in your areas of interest.

Important Notice: Media content referenced within the product description or the product text may not be available in the eBook version.



Calculus: Early Transcendentals, Eighth Edition

James Stewart

Product Manager: Neha Taleja

Senior Content Developer: Stacy Green

Associate Content Developer: Samantha Lugtu

Product Assistant: Stephanie Kreuz Media Developer: Lynh Pham Marketing Manager: Ryan Ahern

Content Project Manager: Cheryll Linthicum

Art Director: Vernon Boes

Manufacturing Planner: Becky Cross

Production Service: TECHarts

Photo and Text Researcher: Lumina Datamatics

Copy Editor: Kathi Townes, TECHarts

Illustrator: TECHarts

Text Designer: Diane Beasley

Cover Designer: Irene Morris, Morris Design Compositor: Stephanie Kuhns, Kristina Elliott,

and Kira Abdallah, TECHarts

Cover Image: elisanth/123RF; tharrison/Getty Images

© 2016, 2012 Cengage Learning

WCN: 02-200-203

ALL RIGHTS RESERVED. No part of this work covered by the copyright herein may be reproduced, transmitted, stored, or used in any form or by any means graphic, electronic, or mechanical, including but not limited to photocopying, recording, scanning, digitizing, taping, Web distribution, information networks, or information storage and retrieval systems, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without the prior written permission of the publisher.

For product information and technology assistance, contact us at Cengage Learning Customer & Sales Support, 1-800-354-9706.

For permission to use material from this text or product, submit all requests online at www.cengage.com/permissions.

Further permissions questions can be e-mailed to permissionrequest@cengage.com.

Library of Congress Control Number: 2014951195

Student Edition:

ISBN: 978-1-285-74155-0

Loose-leaf Edition:

ISBN: 978-1-305-27235-4

Cengage Learning

20 Channel Center Street Boston, MA 02210 USA

Cengage Learning is a leading provider of customized learning solutions with office locations around the globe, including Singapore, the United Kingdom, Australia, Mexico, Brazil, and Japan. Locate your local office at www.cengage.com/global.

Cengage Learning products are represented in Canada by Nelson Education, Ltd.

To learn more about Cengage Learning Solutions, visit **www.cengage.com**. Purchase any of our products at your local college store or at our preferred online store **www.cengagebrain.com**.

Windows is a registered trademark of the Microsoft Corporation and used herein under license.

Macintosh is a registered trademark of Apple Computer, Inc. Used herein under license.

Maple is a registered trademark of Waterloo Maple, Inc. Mathematica is a registered trademark of Wolfram Research, Inc. Tools for Enriching Calculus is a trademark used herein under license. K12T14

Print Number: 01 Print Year: 2014