

Registering for MasteringEngineering™

www.masteringengineering.com



Make Learning Part of the Grade™

Home

Product Info

Tours & Training

Proven Results

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Support

Register

New Students

New Instructors

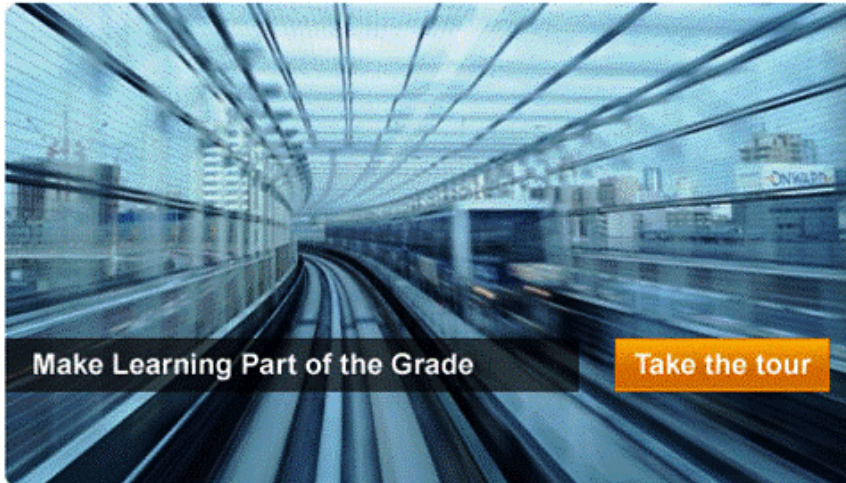
Log In

Login Name:

Password:

Log In

[Forgot your login/password?](#)



Make Learning Part of the Grade

Take the tour

The System

Books Available

Proven Results

Learn More

- » [What is MasteringEngineering?](#)
- » [Take a tour of MasteringEngineering](#)
- » [Learn more about the proven efficacy of MasteringEngineering](#)



“These type of questions made me think...and really got me involved in figuring out the solution.”

- Student™

Go to www.masteringengineering.com

Click "New Students"

Register

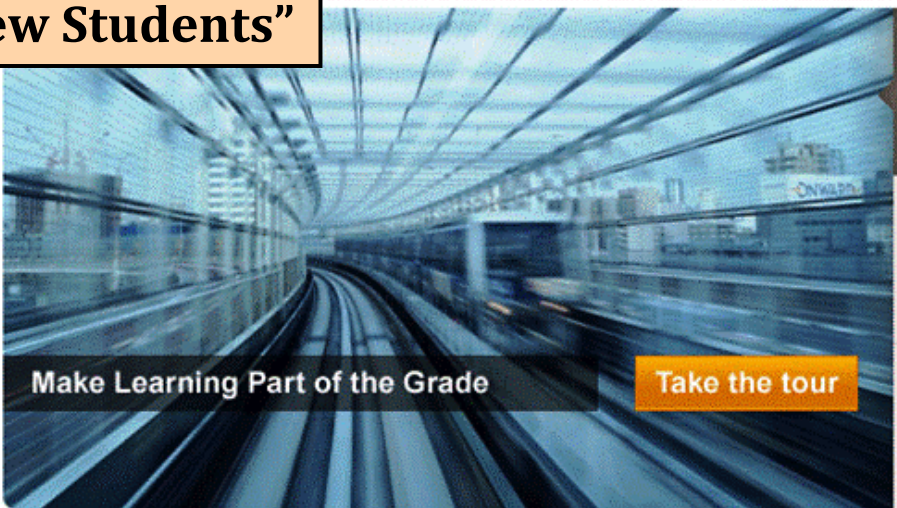
New Students New Instructors

Log In

Login Name:

Password:

Log In [Forgot your login/password?](#)



The System

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Make Learning Part of the Grade [Take the tour](#)

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- » [What is MasteringEngineering?](#)
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 - » [Learn more about the proven efficacy of MasteringEngineering](#)

“These type of questions made me think...and really got me involved in figuring out the solution.”

- Student

Answer the question: **“Do you have an access code?”**

Select:

“Yes, I have an access code” if you purchased a text with a code.

“No, I need to purchase access online now” if you do not have a code.



[Log In / Register](#)

Make Learning Part of the Grade®

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Register for MasteringEngineering™

Step 1: Do you have an access code?

A student access code is a printed code supplied inside the MasteringEngineering Student Access Kit (and sometimes by other means.) If your instructor requires you to use MasteringEngineering, a student access kit may have been included with the purchase of your new textbook.

Yes, I have an access code. **No**, I need to purchase access online now.

Example
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

your access code may look like this

Continue »

Click **“Continue”**

If you selected “No, I need to purchase access online now,” then mouse over the book titles and click on your text.

The screenshot shows the MasteringEngineering website interface. At the top left is the logo "MasteringENGINEERING™" with a blue and orange circular arrow icon. To the right of the logo is the text "Log In / Register" in blue. Below the logo is the slogan "Make Learning Part of the Grade®". A horizontal navigation bar contains six buttons: "Home", "Product Info", "Tours & Training", "Proven Results", "Books Available", and "Support".

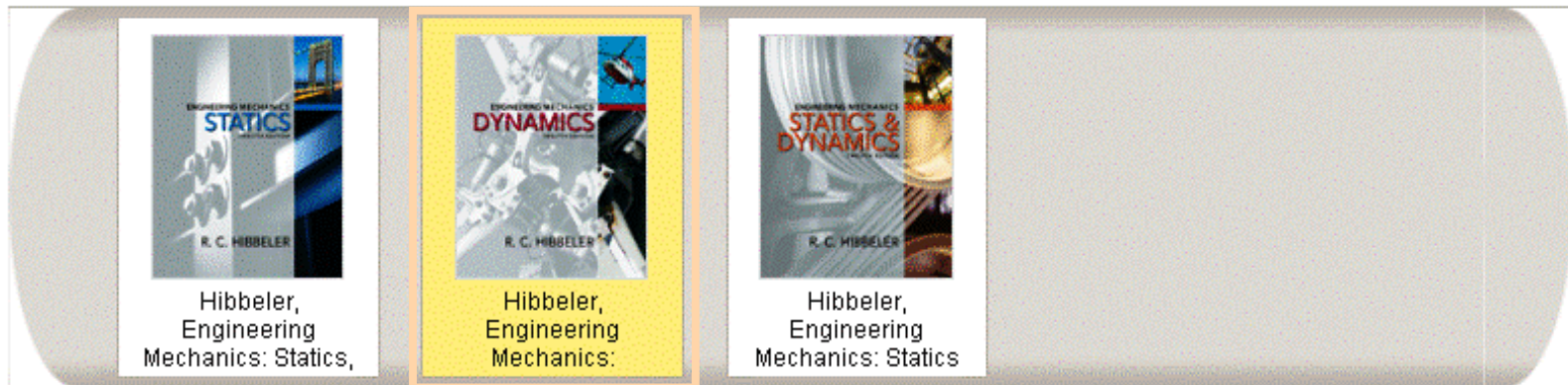
The main content area is titled "Register for MasteringEngineering™". Underneath is "Step 1: Do you have an access code?". A paragraph explains that a student access code is a printed code supplied inside the MasteringEngineering Student Access Kit. To the right of this text is a yellow callout box with the text "Example SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES" and the note "your access code may look like this". Below the paragraph are two radio buttons: "Yes, I have an access code." (unselected) and "No, I need to purchase access online now." (selected).

Below Step 1 is "Step 2: Tell us which book you're using:". Underneath is the instruction "Click to select:". There are three book covers displayed in a row, each with its title below it: "Hibbeler, Engineering Mechanics: Statics", "Hibbeler, Engineering Mechanics: Dynamics", and "Hibbeler, Engineering Mechanics: Statics & Dynamics". The first book cover is highlighted with an orange border. An orange arrow points from the "No, I need to purchase access online now." radio button to the first book cover. Another orange arrow points from the first book cover to a callout box on the right that says "Select book to continue".

Select either **“Yes”** or **“No”** if you wish to purchase access to the eBook at this time. If you’re unsure, you can **upgrade to an eBook later**.

Step 2: Tell us which book you're using:

Click to select:



You selected:

Hibbeler, Engineering Mechanics: Dynamics, 12e

Step 3: eBook Options

Would you also like to buy access to the [eBook](#) (online version)?

Yes, please include the eBook with my MasteringEngineering subscription. (Price will be shown before purchase.) **No**, thanks.

NOTE: Price will be shown before purchase is complete.

Continue »

Click **“Continue”**

License Agreement and Privacy Policy

Help ?

By registering to use a Pearson Education online learning system, I certify that I have read and agree to the **Pearson License Agreement** and the **Pearson Privacy Policy**.

I understand that my personal information may be stored in and/or accessed from jurisdictions outside of my resident country. I consent to this storage and/or access.

The personal information that I use with a Pearson Education online learning system can include my name and contact information, my answers to questions that are part of the course, my marks on tests or other course requirements, and any comments about me made by my instructor.

Privacy Policy

?

Pearson Education Privacy Policy

GENERAL INFORMATION ABOUT THE PRIVACY POLICY FOR OTHER ONLINE RESOURCES

Pearson Education Web sites are maintained by Pearson Education, Inc., One Lake Street, Upper Saddle River, New Jersey 07458.

Read the **License Agreement and Privacy Policy**

License Agreement

?

Pearson Education Subscription and End-User License Master Agreement

Please print and keep a copy of this Subscription and End-User License Agreement ("Agreement"). Use of the Website constitutes acceptance of this Agreement. If you do not agree to abide by the terms and conditions of this Agreement, please do not become a Subscriber of a Pearson Education Website. Pearson Education may change any of the terms in this Agreement at any time. Changes will become effective when Pearson Education posts the

Click "I Accept"

I Decline

I Accept

If purchasing access online, your selection and its price will be listed.

PEARSON Steps to Register

Product Selection Account Information Payment Information Confirmation & Summary

Product Selection * Fields are required [Video Tutorial](#) [Help](#) ?

Purchase Price ?

MasteringEngineering for Hibbeler's Engineering Mechanics: Dynamics, 12e - with eBook
Price: \$70.00 USD

Do you have a Pearson Education account? ?

Yes
 No
 Not Sure

MasteringEngineering for Hibbeler's Engineering Mechanics: Statics, 12e is \$56.00; if you want the eBook as well it is \$106.00

Cancel **Next** ▶

Select:
"No" if this is your first Pearson product.
"Yes" if you already have another Pearson account.
Or "Not Sure".

Click "Next"

Next ▶

Select:
“No” if this is your first Pearson product.
“Yes” if you already have another Pearson account.
Or “Not Sure.”

Access Information

* Fields are required [Video Tutorial](#) [Help](#)

Do you have a Pearson Education account?

Yes

No

*** Create a Login Name**

[Check Availability](#)

It is recommended that you use your email address. It must be at least four characters. [See acceptable characters.](#)

*** Create a Password**

Strength Good

Create a password. It must be at least 8 characters with at least one letter and one number. [See acceptable characters.](#)

*** Re-type your Password**

Not Sure

Create a Login Name and Password. Confirm Password.

If you purchased an access code in your bookstore enter your unique Access Code.

Access Code

Enter your access code.

*** Access Code**

- - - - -

[Switch to a single box for pasting your access code](#)

Example
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

Click “Next”

Next



Account Information

* Fields are required [Video Tutorial](#) [Help](#)

MasteringEngineering - Student Access

Personal Information

* **First Name** * **Last Name**

* **Email Address**
Enter a valid email address. [See acceptable characters.](#)
[Don't have an email address?](#)

* **Re-type Your Email Address**

Enter First Name, Last Name, and E-mail Address

School Location

* **School Country**

* **School Zip or Postal Code**
[Need help finding your school's Zip or Postal code?](#)

* **School Name**
Select the name of your school from the list. If your school is not listed, select "Other" at the bottom of the list.

Enter School Country, Zip Code, School Name

Scroll down

Select a **Security Question** and answer it.

Security Question ?

If you contact us, we will ask you this question to confirm your identity.

* **Security Question**

Select the question you want us to ask you ▼

* **Your Answer**

May we contact you? ?

Let me know about other Pearson Education products and services to help me succeed.

Click **“Next”**

◀ Back

Cancel

Next ▶



Confirmation & Summary

[Print This Page](#)

You have subscribed to a Pearson Education online product. Please [print this page](#) as your receipt. You will also receive a confirmation email for your records.

You now have access to...



MasteringEngineering

[Log In Now](#)

If you need to review or edit your account information...

Role: Student

Expiration Date: Aug 4, 2011

Section or Module: MasteringEngineering with Hibbeler 12th Edition

Order ID: 36119556

Login Name: mengstu2020

Congratulations! You have successfully created a Login and Password. Click **“Log In Now.”**

About Your Transaction



If you have any problems logging into or using this site, please contact [Customer Technical Support](#). If you need to review or edit your account information, visit your [Account Summary](#) page.

Transaction Date: Tue Aug 04 08:57:29 EDT 2009

Order ID: 36119556

Enter your **Login Name and Password**

Register

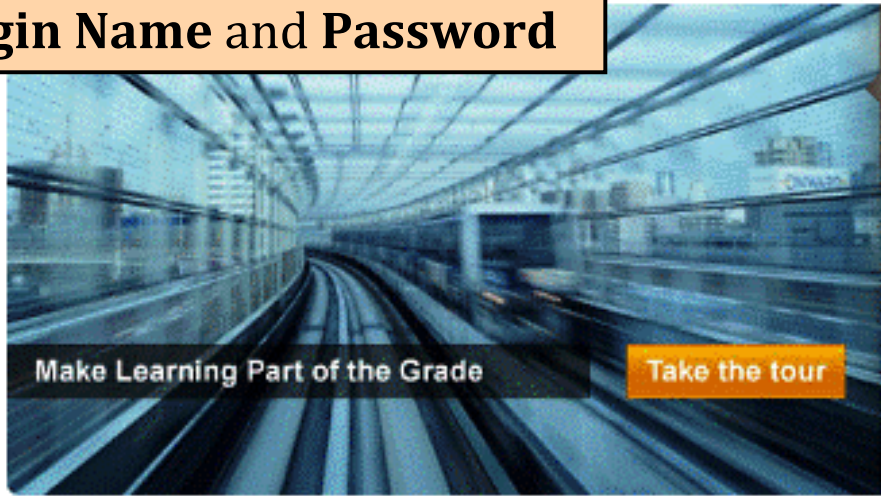
New Students New Instructors

Log In

Login Name:
mngstu2020

Password:
●●●●●●●●

Log In [Forgot your login password?](#)



The System

Books Available

Proven Results

Learn More

- What is MasteringEngineering?
- Take a tour of MasteringEngineering
- Learn more about the proven efficacy of MasteringEngineering

Click **“Log In”**

“I like doing these problems because if I don't know how to solve the problem I use the "HINTS" tab and if I solve all the "HINTS" I get bonus points. This incentive gives me motivation to solve the problem instead of 'skipping' it or 'guessing' it.”

- MasteringEngineering Student

View other Mastering products:



Some books contain a **Study Area**. If you don't have a **Course ID**, select a book and click "Go to Study Area."

If you received a **Course ID** from your instructor, enter it below to enroll in your instructor's online course. When you join an online course, the results of your work on the website are viewable by your instructor. Otherwise, you are free to enter the **Study Area** (without entering a Course ID) after selecting a book.

Hibbeler, Engineering Mechanics: Dynamics, 12e



[Don't see your book listed?](#)

Go to Study Area

User Properties for Emeka Anon

Login Name:	mengstu2020
First Name:	Emeka
Last Name:	Anon
Email:	phoenix.harvey@pearson.com
Student ID:	<input type="text"/>
Course ID:	<input type="text"/>

Save

Study Area Only: **If you don't have a Course ID**, you can use the **Study Area** activities. You can **Join a Course** later if your instructor gives you a Course ID.

MasteringENGINEERING™ Hibbeler, Mechanical Engineering: Dynamics, 12e Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#) [Hel](#)

Welcome **Emeka Anon** (mengstu2020)

To open self-study resources: Click **Study Area**, **eBook**, or **myeBook**, as available.

If your instructor asks you to complete online assignments:
Click **Join Course** and enter your instructor-provided Course ID. After you enroll in the course, you can open its **Assignment List**.

Learn More:

- [Getting Started](#)
- [FAQs](#)
- [Five Ways to Improve Your Grade](#)

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If your instructor has given you a **Course ID** and instructions for entering a **Student ID**, then **enter the Student ID and Course ID** information. *The Course ID is required for access to MasteringEngineering assignments.*

If you received a **Course ID** from your instructor, enter it below to enroll in your instructor's online course. When you join an online course, the results of your work on the website are viewable by your instructor.

User Properties for Emeka Anon	
Login Name:	mengstu2020
First Name:	Emeka
Last Name:	Anon
Email:	phoenix.harvey@pearson.com
Student ID:	<input type="text" value="Emeka.Anon001"/>
Course ID:	<input type="text" value="MEHARVEY2009"/>
<input type="button" value="Save"/>	<input type="button" value="Cancel"/>

The page at http://session.masteringenginee...
Update user Emeka Anon?

Click **“Save”**, Then **“OK”**.

MasteringEngineering Home Page

The screenshot shows the MasteringEngineering Home Page. At the top, there is a dark blue header with the MasteringENGINEERING logo on the left, the text "Hibbeler, Engineering Mechanics: Statics & Dynamics, 12e" in the center, and user information "Welcome, Emeka Anon" with links for "Log Out", "Home", "Constants", and "Help" on the right. A vertical navigation menu on the left side includes "Assignments", "Scores", "myeBook", and "Study Area", with the PEARSON logo at the bottom. The main content area features a green "Welcome Emeka Anon (mengstu2020)" message, followed by the course title "MEHARVEY2009: Engineering Mechanics: Statics and Dynamics" and a "Course Home Page Announcement" section. This announcement contains a welcome message and a link for more information. On the right, a "Learn More:" section lists three links: "Getting Started", "FAQs", and "Five Ways to Improve Your Grade". Below this, a "Review Tips" box has an orange arrow pointing up to the "Learn More:" section.

MasteringENGINEERING™ Hibbeler, *Engineering Mechanics: Statics & Dynamics*, 12e

Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#) [Help](#)

Welcome Emeka Anon (mengstu2020)

MEHARVEY2009: Engineering Mechanics: Statics and Dynamics

Course Home Page Announcement

Welcome to MasteringEngineering. [Click here](#) for more information on the amazingly powerful diagnostic and gradebook tools.

Learn More:

- [Getting Started](#)
- [FAQs](#)
- [Five Ways to Improve Your Grade](#)

Review Tips

PEARSON

See “Constants,” and “Help” and “Getting Started”

Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#) [Help](#)

Hibbeler, *Engineering Mechanics: Statics & Dynamics*, 12e

MasteringEngineering Constants - Mozilla Firefox
http://session.masteringengineering.com/assets/help/constants_hibbeler12.html

MasteringEngineering™ Constants

Note: The value of a constant given in the text of an item takes precedence over the value given in the constants table.

Using MasteringEngineering: Student Edition

Contents | [Index](#) | [Search](#)

- [Getting Started with MasteringEngineering](#)
- [How to Access MasteringEngineering](#)
- [Home page](#)
- [Self-Study](#)
- [Completing Assignments](#)
- [Answering Math Questions](#)
- [Answering Chemical Equation Questions](#)
- [Answering Vocabulary, Labeling, Sorting, Ranking Questions](#)
- [Answering Graphing Questions](#)
- [Answering Vector Questions](#)
- [Five Ways to Improve Your Grade with MasteringEngineering](#)
- [Security Issues and Solutions](#)
- [Help on Help](#)
- [Contacting Support](#)

Getting Started with MasteringEngineering

Consider printing this information as a quick reference ([printable PDF](#)). Links below lead to Help topics.

- Check for instructor assignments** Click [Assignments](#) > current assignment name/number
 - Assignments may count toward your grade for the course.** Instructors control when assignments are available for you to complete. Your instructor will let you know if you need to complete online assignments. The [first assignment](#) you will probably see shows you how to answer questions in the program.
 - Check system requirements** to be sure that you are able to view and complete assignments. Many assignment questions require the latest version of the Adobe Flash player. Click [Home](#) > [System Requirements](#)
- Check for available self-study resources** Click [Study Area](#) and/or [eBook/myeBook](#)
 - Study Area resources can include:** Visually-based tutorials, quizzes, [an eBook](#), interactive applets, or other materials. (Available resources vary by textbook.) If your instructor has not given you any assignments or asked that you enroll with a Course ID, you can still access these valuable study resources. *Work you do in the Study Area doesn't affect your grades for assignments.*
- About assignments**
 - An assignment can include:** Tutorials, problems, or other activities for you to complete. Each item may contain a number of Parts (labeled A, B, etc.), which may contain Hints. Hints are not available for all questions.
 - If you get stuck on the main problem in a Part:** Click Hint to view either a simpler sub-question or a contextual clue. It's usually to your advantage to answer Hints. Doing so can help you to eventually solve the main problem in a Part, and you can receive some credit for answering Hints, even if you never solve the main problem. (Your instructor controls whether/when you can see available hints, the level of credit for answering Hints correctly, and whether a slight penalty is applied for opening Hints.)
 - If you give an incorrect answer as you work:** You may receive coaching feedback specific to your mistake.
 - You can complete assignments online, or you may be able to print them,** work them out on paper, and then enter your answers online. To verify your work, don't discard any calculations you make on paper until the end of the course.
 - Logging out or losing Internet connectivity does NOT stop the timer for any timed assignments you may have.** If you [log out](#) during an assignment, your work will be saved. You can log in later to finish the assignment.

©2009 Pearson, Inc.

Click “**Assignments**” to view instructor assignments.
(Applies **if you received a Course ID**).

MasteringENGINEERING™ Hibbeler, *Engineering Mechanics: Statics & Dynamics*, 12e Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#) [Help](#)

Assignments
Scores
myeBook
Study Area

PEARSON

Welcome **Emeka Anon** (mengstu2020)

MEHARVEY2009: Engineering Mechanics: Statics and Dynamics

Course Home Page Announcement

Welcome to MasteringEngineering. Click here for more information on the amazingly powerful diagnostic and gradebook tools.

Learn More:

- [Getting Started](#)
- [FAQs](#)
- [Five Ways to Improve Your Grade](#)

Click and complete the “**Introduction to MasteringEngineering**” assignment to learn how to use the program.

MasteringENGINEERING™ Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#) [Help](#)

Hibbeler, *Engineering Mechanics: Statics & Dynamics*, 12e

Assignments for Course: **Engineering Mechanics: Statics and Dynamics**

	Assignment Title	Date Due ▲	View
Assignments	Introduction to MasteringEngineering	07/30/09 12:00 pm	Print View
Scores	Force Systems	07/30/09 12:40 pm	Print View
myeBook	Equilibrium	07/30/09 12:40 pm	Print View
Study Area	Kinematics and Kinetics	07/30/09 12:40 pm	Print View
	Kinematics	07/30/09 12:45 pm	Print View
	Space Trusses	07/30/09 01:00 pm	Print View
	National Assignment	07/30/09 05:48 pm	Print View
	MasteringEngineering is Live Assignment	08/03/09 12:00 pm	Print View

PEARSON

These items will explain **how to navigate in the program**, **how to input answer types**, and **how you can expect to be graded**.
Click **“Welcome!”**

MasteringENGINEERING™ Hibbeler, *Engineering Mechanics: Statics & Dynamics*, 12e Welcome, [Emeka Anon](#) [Log Out](#) [Home](#) [Constants](#)

Introduction to MasteringEngineering
Due: 12:00pm on Thursday, July 30, 2009
Note: You will receive no credit for late submissions. To learn more, read your instructor's [Grading Policy](#).
[\[Print View\]](#)

Welcome! is for practice (full credit)
Incomplete

Intro to Numeric Answers is for practice (full credit)
Incomplete

Intro to Numeric Answers with Units is for 1 point(s) (full credit)
Incomplete

Intro to Symbolic Answers is for practice (full credit)
Incomplete

Intro to Ranking Questions is for practice (full credit)
Incomplete

Intro to Sorting Questions is for practice (full credit)
Incomplete

Intro to Vector Drawing Questions is for practice (full credit)
Incomplete

Intro to Graphing Questions is for practice (full credit)
Incomplete

PEARSON

Assignments
Scores
myeBook
Study Area

Read the **question** and **answer all the parts** as instructed.

The screenshot shows the MasteringEngineering interface. At the top, it says "MasteringENGINEERING™ Hibbeler, Engineering Mechanics: Statics & Dynamics, 12e". The user is logged in as "Emeka Anon". The page is titled "Welcome!" and "Type of help offered". The "Learning Goal" is to practice using the program. The main content area shows a problem with a 2x2 grid of green squares. The question asks for the number of squares in the grid. The interface includes a sidebar with "myeBook" highlighted, a "submit" button, and a "Grading" section.

Welcome! [Return to Introduction to MasteringEngineering](#) [Previous](#) | 1 of 9 | [Next](#) Emeka Anon

Learning Goal: To practice using this program and its helpful features.

This program presents homework items assigned by your instructor and *works with you* to answer them. Homework items typically have an introduction, possibly figures, and one or more parts for you to answer.

Type of help offered

- The program tells you immediately whether or not your answers are correct. Usually, you will have multiple chances to get the correct answer. Your instructor will determine how many tries you get.
- In many problems, hints are available to help you when you get stuck. If you don't need the hints to solve the problem, you can still use them for review later on.
- If you submit an incorrect answer, the program often responds with specific, helpful feedback.
- The program is forgiving of many typos and formatting mistakes. If it can't figure out what you entered, it will let you know and give you another chance.

These exercises were chosen specifically to lead you through the key features of the program and are not intended to test your knowledge of any specific subject material. Therefore, on this problem you will not be penalized for using hints and submitting incorrect answers. In fact, you should submit incorrect answers and use the hints to see what happens!

Part A

How many squares are in this 2×2 grid ([Part A figure](#))? Note that the figure link lets you know that a figure goes along with this part. This figure is available to the left.

Enter your answer as a number in the box below and then submit your answer by clicking [submit](#).

Number of squares =

[submit](#) [my answers](#) [show answer](#) [review part](#)

Grading

See the help file available by clicking the **help** tab in the top right corner, if you want to know more about how grading works. Here is the most important information you'll need:

Click "myeBook" for access to full text.

eBook Table of Contents

Emeka Anon | Engineering Mechanics: Statics and Dynamics Settings Help Log Out

PEARSON Browse My Searches GO

Page: Cover 125%

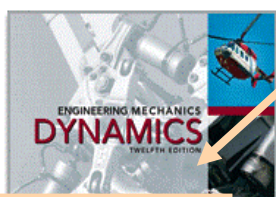
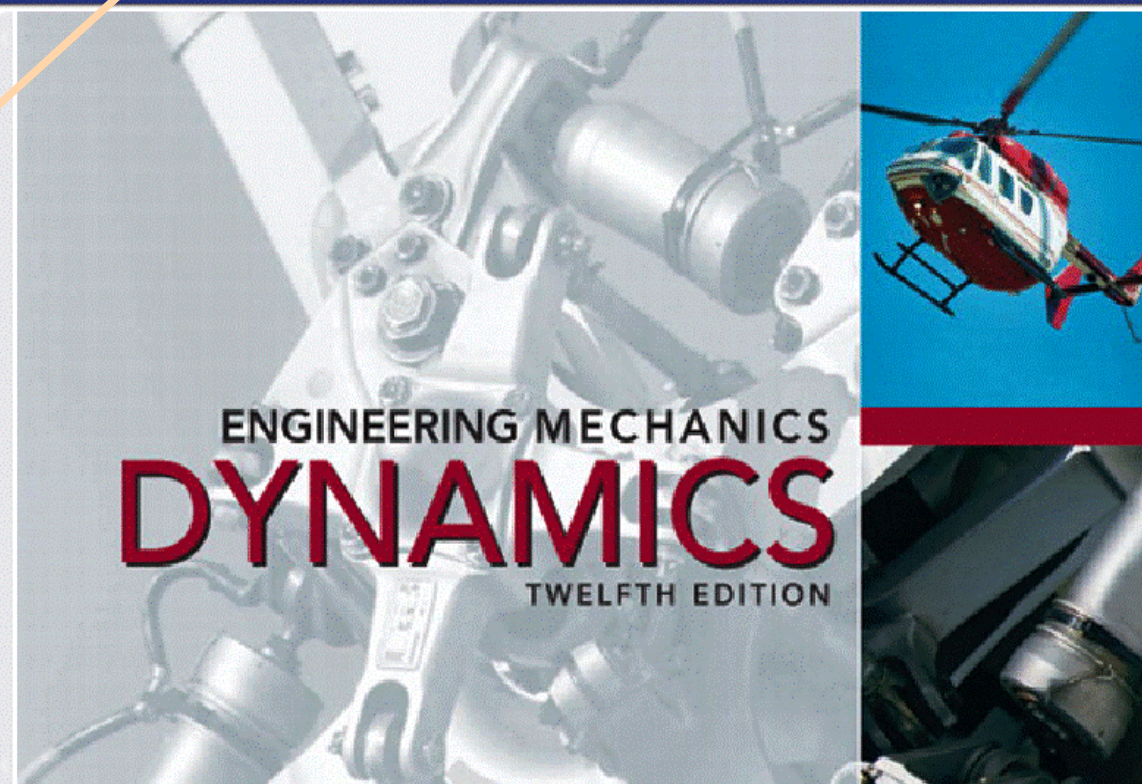


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- ▶ Chapter 14: Kinetics of a Partic
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- Review 1: Kinematics and Kine
- ▶ Chapter 16: Planar Kinematics
- ▶ Chapter 17: Planar Kinetics of e

Notes

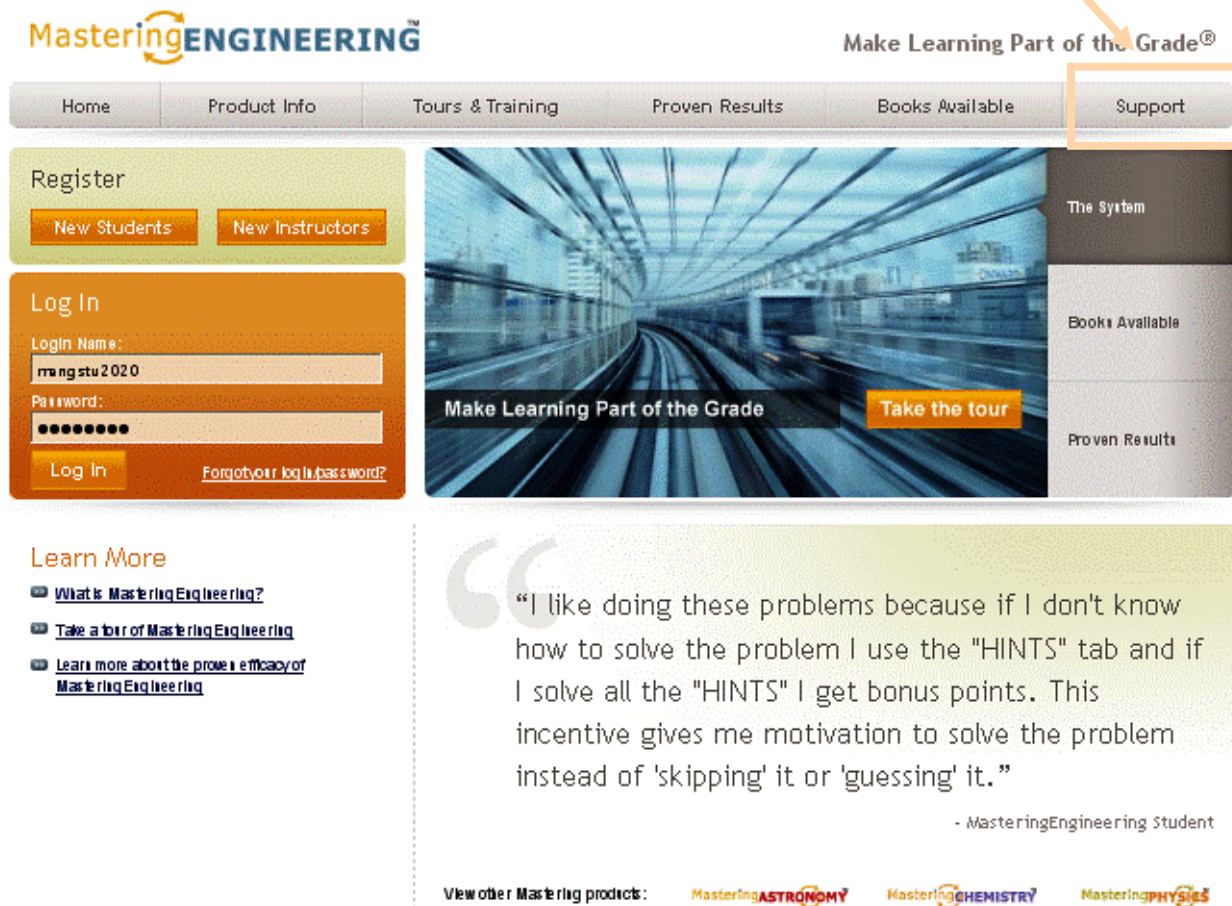
Bookmarks



ENGINEERING MECHANICS
DYNAMICS
TWELFTH EDITION

Questions?

Visit www.masteringengineering.com/support



The screenshot shows the MasteringEngineering website interface. At the top, the logo "MasteringENGINEERING™" is on the left, and the tagline "Make Learning Part of the Grade®" is on the right. Below the logo is a navigation menu with the following items: Home, Product Info, Tours & Training, Proven Results, Books Available, and Support. The "Support" link is highlighted with an orange box. An orange arrow points from the text box above to this "Support" link. On the left side of the page, there are sections for "Register" (with "New Students" and "New Instructors" buttons) and "Log In" (with fields for "Login Name:" containing "mangstu2020" and "Password:" with masked characters, and a "Log In" button). Below the "Log In" section is a "Learn More" section with three links: "What is Mastering Engineering?", "Take a tour of Mastering Engineering", and "Learn more about the proven efficacy of Mastering Engineering". On the right side, there is a vertical menu with "The System", "Books Available", and "Proven Results". Below this menu is a large banner image of a train tunnel with the text "Make Learning Part of the Grade" and a "Take the tour" button. At the bottom right, there is a quote from a student: "I like doing these problems because if I don't know how to solve the problem I use the 'HINTS' tab and if I solve all the 'HINTS' I get bonus points. This incentive gives me motivation to solve the problem instead of 'skipping' it or 'guessing' it." attributed to a "MasteringEngineering Student". At the very bottom, there is a section for "View other Mastering products:" with links for "MasteringASTRONOMY", "MasteringCHEMISTRY", and "MasteringPHYSICS".

Required Purchase

MasteringEngineering Access:

www.masteringengineering.com

Course ID

ME200SIMPKINSSDSUFA2014