

enVision[®] Integrated MATHEMATICS

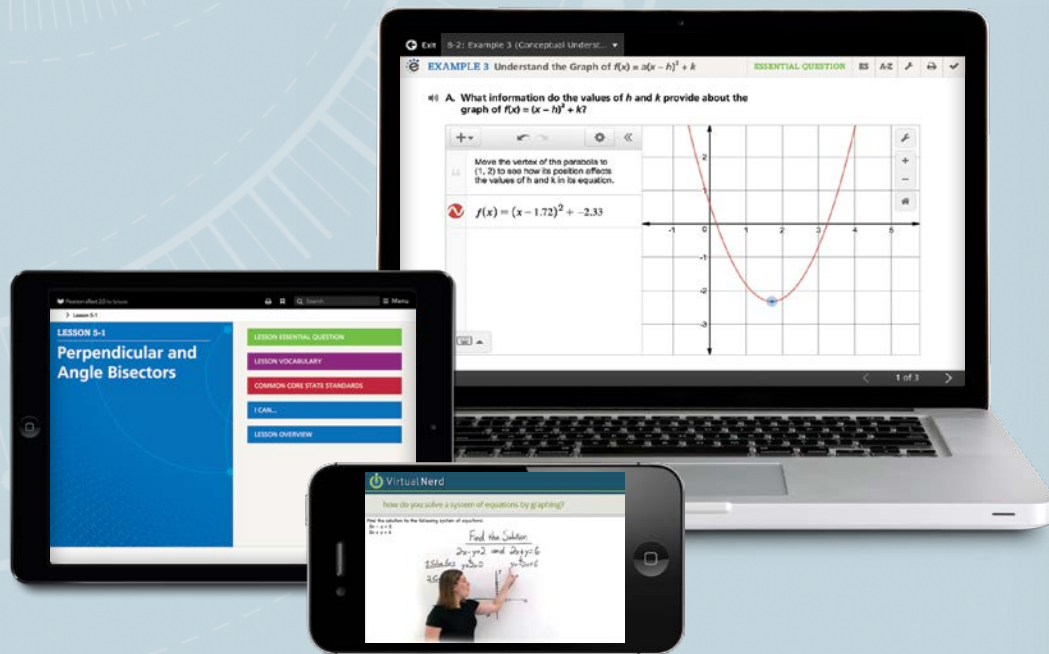


Please Note: your program screens may look different from the images in these training materials due to our rebrand to Savvas Learning Company.

Realize the power of

enVision[®] Integrated MATHEMATICS

Savvas Realize[™] is the online learning management system for **enVision Integrated Mathematics**. This full suite of personalized teaching and learning tools is just a click away.



Go Digital

This groundbreaking digital experience provides anytime interactive learning, both online and offline.

Experience Math

A wealth of multimedia and interactive content help explain and reinforce complex mathematical concepts.

Work with Ease

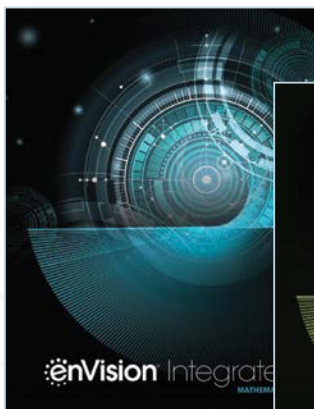
You can quickly find and assign content to individual students, groups of students, or the whole class.

Personalize Instruction

Flexible assessments, progress monitoring, and resources to help you meet the needs of all students.

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**Teach a fully digital course
or blend print and digital.**



Engaged & Personalized Learning

enVision Integrated allows students to easily access lesson content and embedded interactives. Students can take notes using the integrated notebook and submit digital assignments and assessments through the system.



Habits of Mind

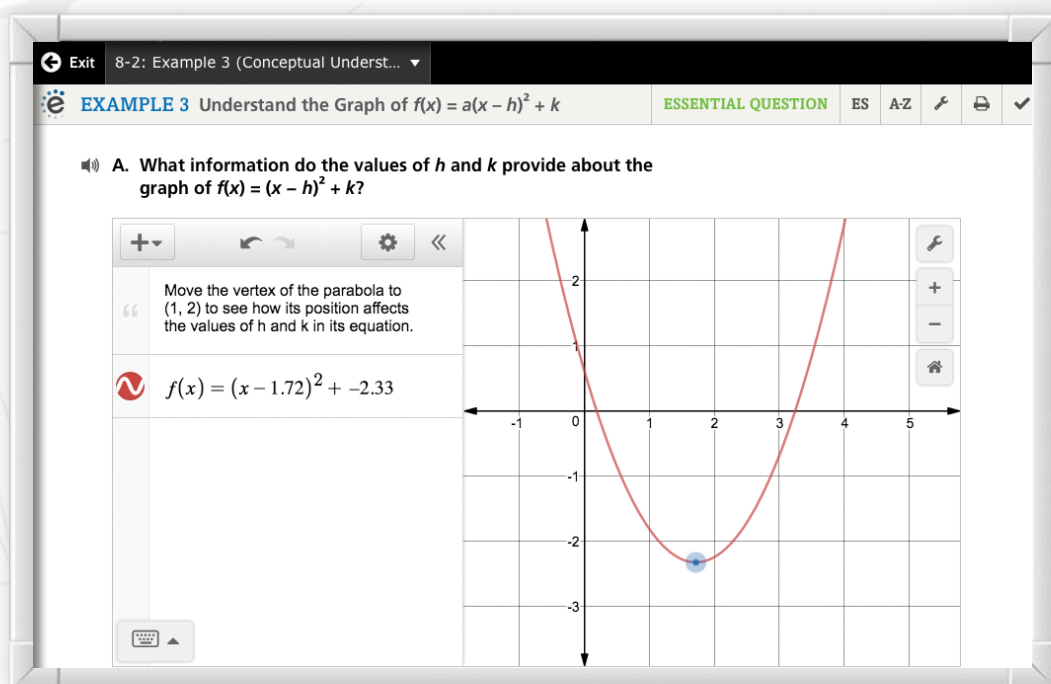
Questions help students develop the thought processes and skills used by proficient mathematical thinkers.

desmos

Anytime Interactive Learning

Comprehensive integration of Desmos into Savvas Realize™ offers a groundbreaking interactive experience.

- **Develop conceptual understanding** through ready-to-go examples that bring mathematical concepts to life, available online and offline.
- Extend learning with **Anytime Tools powered by Desmos**.
- **Save time** with prebuilt interactives that help students focus on the math not the tool.
- Exclusive to **enVision, switches, sliders, and buttons** enable more focused student exploration.



Mathematical Modeling

Mathematical Modeling in 3 Acts is a collaborative task where students develop a mathematical model to explain a real-world problem. These high-interest, low-entry tasks develop students' conceptual understanding, procedural fluency, and adaptive reasoning as they test out different models and conjectures to answer the question posed.

Act 1: The Hook



An engaging video introduces the question and gets students talking.

Act 2: Model with Math

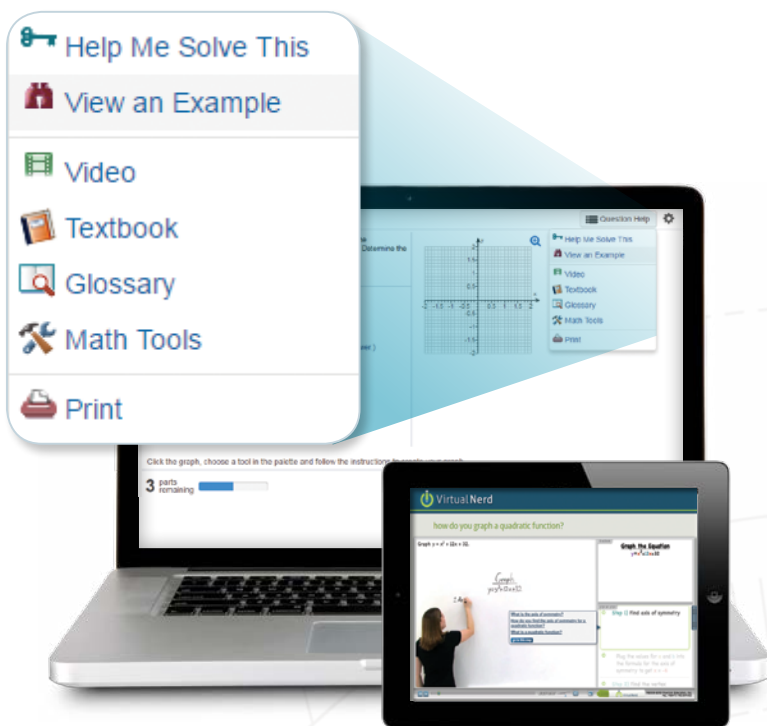


Students determine what resources they need and develop a solution to answer the question.

Act 3: The Solution



The final video reveals the answer and students analyze the results.



Individualized Learning Pathway

Content and technology come together to create a tailored pathway for each student's unique needs—all available and built within **enVision Integrated**.

- **Individual Study Plans** fill in gaps on prerequisite knowledge and help students focus on specific areas to experience success.
- **MathXL® for School** embedded, auto-graded assignments provide instant feedback with learning aids that act as a student's personal tutor, available 24-7.
- **Virtual Nerd Tutorial Videos**, available in every lesson, allow students to drill down through videos to review prerequisite content. Available with Spanish closed captioning.



enVision® STEM

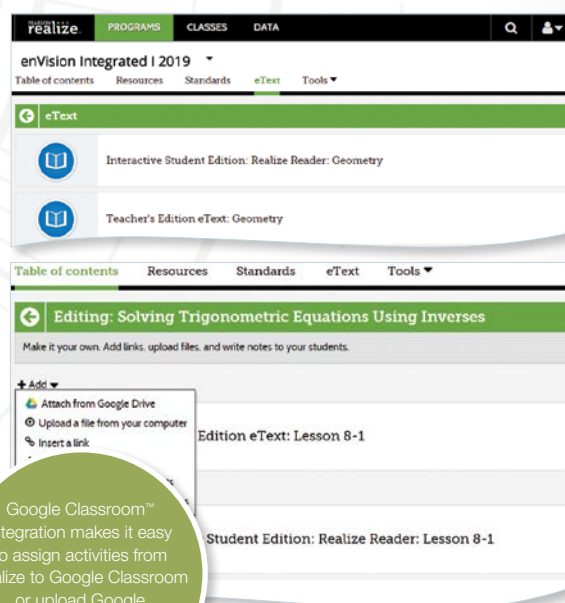
Science, technology, engineering, and mathematics (STEM) projects promote cross-curricular connections through high-interest, real-world applications.

Manageable & Flexible Teaching

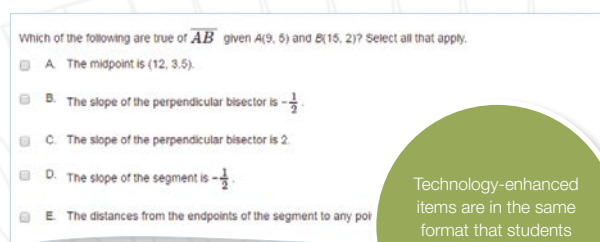
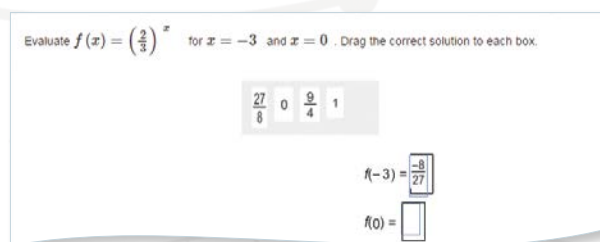
enVision Integrated makes it easy to customize, leverage technology, and save hours on administrative tasks. Use ready-made assessments, practice, remediation, and reports.

Customize Instruction

- Editable interactives powered by Desmos are pre-built and embedded at point of use. No hassle or prep time required.
- Additional Anytime Tools powered by Desmos allow teachers or students to build their own classroom interactivities.
 - > Graphing calculator
 - > Scientific calculator
 - > Geometry tools
- Customize the table of contents through a simple drag-and-drop process.
- Modify or create a lesson with easy drop-down menus.
- Powerful functionality enables keyword or standard search to easily find content.



Google Classroom™ integration makes it easy to assign activities from Realize to Google Classroom or upload Google Classroom assignments into Realize.

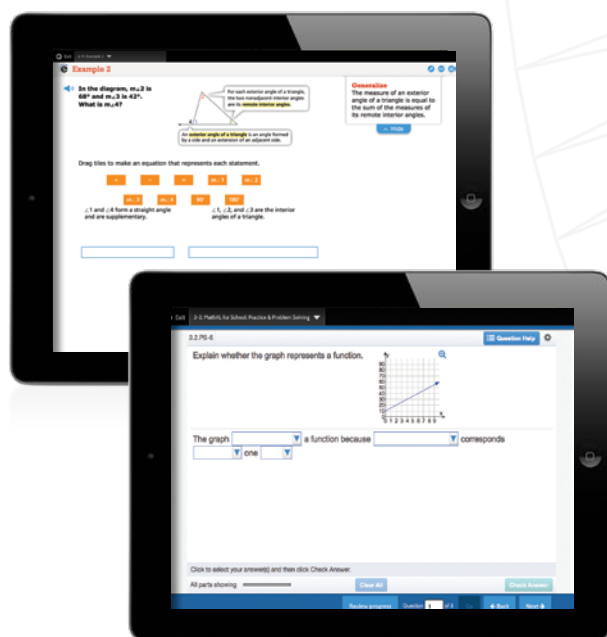


Technology-enhanced items are in the same format that students will experience on next generation assessments.

Assess and Differentiate

enVision Integrated provides a suite of ready-to-use diagnostic, formative, and summative assessments that can be administered both in print and digitally:

1. Course- and Topic-Level Diagnostic Assessments
2. Lesson Checks and Quizzes
3. Topic Assessments and Performance Tasks
4. Benchmark Assessments
5. Mid-Course Assessment
6. End-of-Course Assessment
7. Next Generation Practice Assessments
8. Build Your Own Customized Assessment
9. *ExamView* Software Includes Thousands of Additional Items



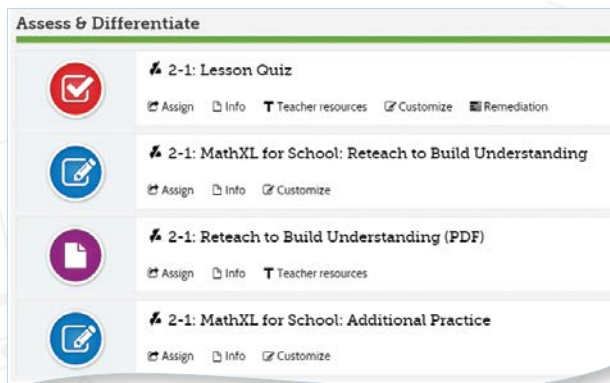
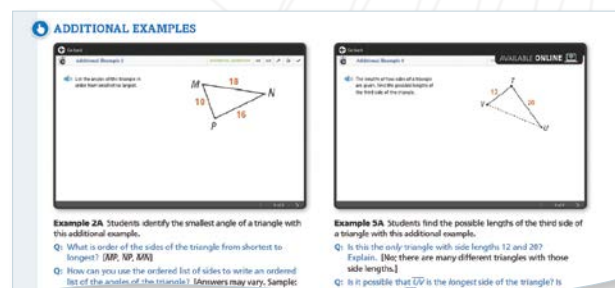
Digital Intervention Practice

Adaptive RTI

- **Lesson Quizzes** provide a quick way to determine the need for intervention.
- **Auto-assigned Lesson Differentiated Options** include Remediation, Additional Practice, or Enrichment.
- **Individualized Study Plans** provide a personalized learning pathway based on the results of each Topic Readiness Assessment.

Instructional Support

- **Additional Examples** allow for further explicit instruction if needed.
- **Enrichment Examples** extend learning.
- **A complete library of resources** supports planning for Response to Intervention and teaching English Language Learners, including:
 - > Point-of-use differentiation
 - > ELL proficiency levels of support
 - > Spanish closed captioning for video tutorials
 - > Multilingual glossary
 - > English/Spanish visual glossary



ELL English Language Learners (Use with EXAMPLE 4)

LISTENING BEGINNING Explain that as a noun, *graph* means a diagram that represents a relationship among two or more variables. As verb, *graph* means to plot points or draw a curve to represent a function. Read the words and phrases below. Ask students to stand if the word or phrase refers to a graph as a noun and to sit if it refers to graph as a verb.

Q: The companies profits are shown on a graph. [noun]

Q: Please graph the line $y = x$. [verb]

Q: How many homework problems contain graphs? [noun]

WRITING INTERMEDIATE Consider the words *value* and *evaluate*. Spend 3–5 minutes writing about how the words are similar and how they are different. Then, ask students to answer the questions in their journals.

Q: Is *value* a noun or a verb? [verb]

Q: Is *evaluate* a noun or a verb? [verb]

Q: Explain how the two words are related. [evaluate is the process used to find the value of an expression]

SPEAKING ADVANCED Place students in groups of 2–3. Give them index cards and have them write each step from the example. Have them shuffle the cards and take turns drawing cards and putting them in order.

Q: Which step comes first? [Enter the data in lists on a graphing calculator.]

Q: Which step comes second? [Use the Quadratic Regression feature.]

Q: Which step comes last? [Graph the quadratic regression and use the graph to answer the question.]

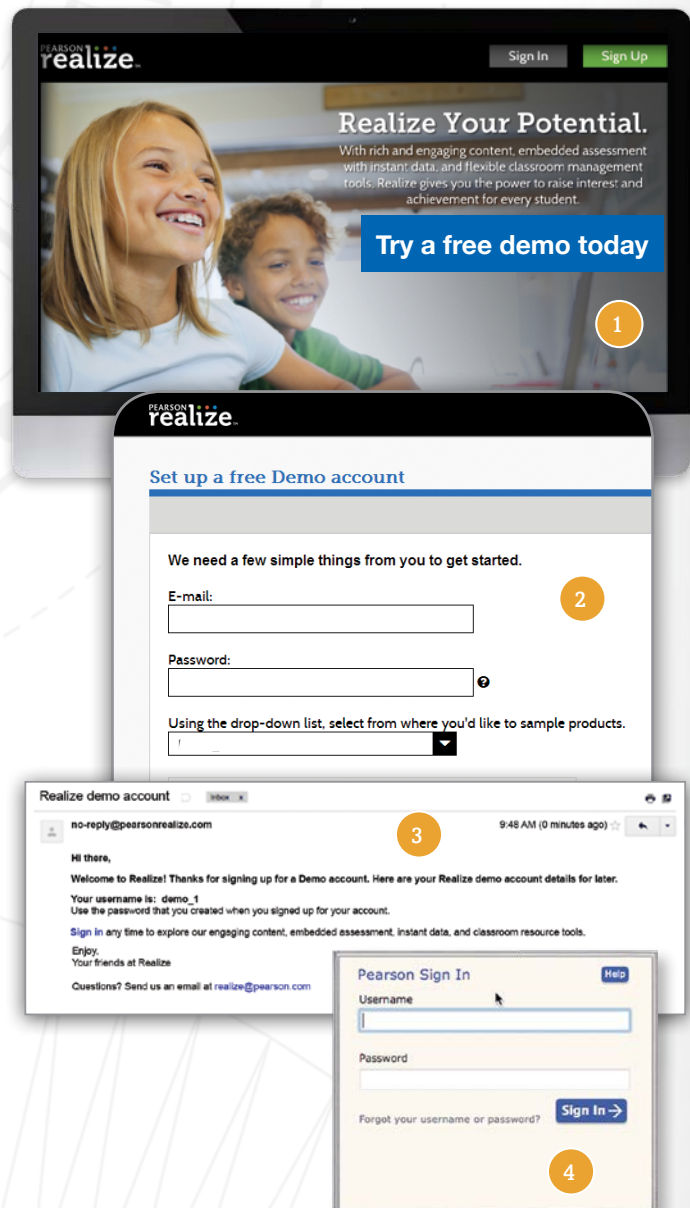
Experience enVision Integrated online!

Sign up for **Savvas Realize™**

- 1 Type "SavvasRealize.com" in your browser bar and select **Try a free demo today**.
- 2 Enter your information. Select **Demo** from the dropdown and enter the onscreen code, then select **Continue**.
- 3 Check your e-mail to retrieve your unique username.

You now have access to **enVision Integrated** content.

- 4 Return SavvasRealize.com, select **Sign In**, and type in the **username** you received via e-mail and your **password** to access your demo course content.



You will only need to complete steps 5-10 the first time you register and sign in.

- 5 Select all the grades that you teach.
- 6 Select the programs you teach or want to review: Integrated Mathematics I, II, or III.
- 7 Type in the name you want your students to see.
- 8 Pick your profile icon.
- 9 Pick your background image.
- 10 Check "I agree to licensing agreement."

5

Click or tap to scroll to the next step

WHAT GRADES DO YOU TEACH?

Select all the grades that you teach.

<input type="checkbox"/> Pre-K	<input type="checkbox"/> Grade 6
<input type="checkbox"/> Kindergarten	<input type="checkbox"/> Grade 7
<input type="checkbox"/> Grade 1	<input type="checkbox"/> Grade 8
<input type="checkbox"/> Grade 2	<input type="checkbox"/> Grade 9
<input type="checkbox"/> Grade 3	<input type="checkbox"/> Grade 10
<input type="checkbox"/> Grade 4	<input type="checkbox"/> Grade 11
<input type="checkbox"/> Grade 5	<input type="checkbox"/> Grade 12

6

WHAT PROGRAMS DO YOU TEACH?

Select all the programs you teach.

☐ Integrated Mathematics I, II, or III

7

WHAT IS YOUR NAME?

This is the name your students will see in the platform.

For example, Mrs. Smith

8

PICK A PROFILE ICON

9

PICK A BACKGROUND IMAGE FOR YOUR HOMEPAGE

Preview

10

READY TO GET STARTED?

You can change any of these selections later in Settings.

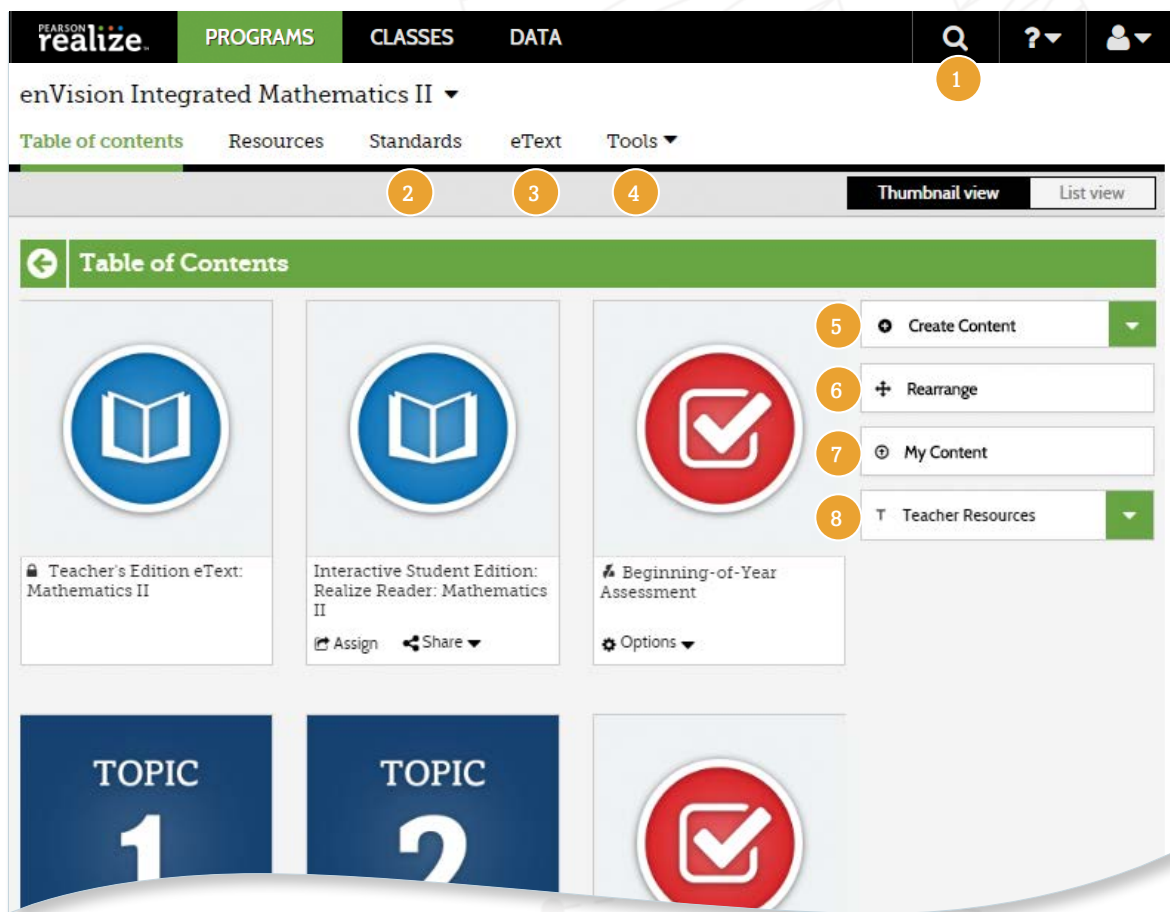
☐ I agree to the [License Agreement](#)

Let's go!

Welcome to the Course



1. Click on **Programs** tab.
2. Select the course you wish to preview. If you need help, visit myPearsonTraining.com
3. Manage your **Classes**, assignments, and reports at a glance.
4. View in-depth and real time reporting in the **Data** section.



1. **Search with Ease.**
Find targeted resources by course, media, or content type.

2. Sort and search lessons by **Standards**

3. Access your student and teacher **eTexts** from the links at the top of the page.

4. Select **Tools** to view additional resources including the Anytime Tools powered by Desmos, Answers & Solutions, *ExamView*, and a Spanish/English glossary.

5. Select **Create Content** to upload a file, add a link, or build a test.

6. Select **Rearrange** to customize the sequence of the curriculum.

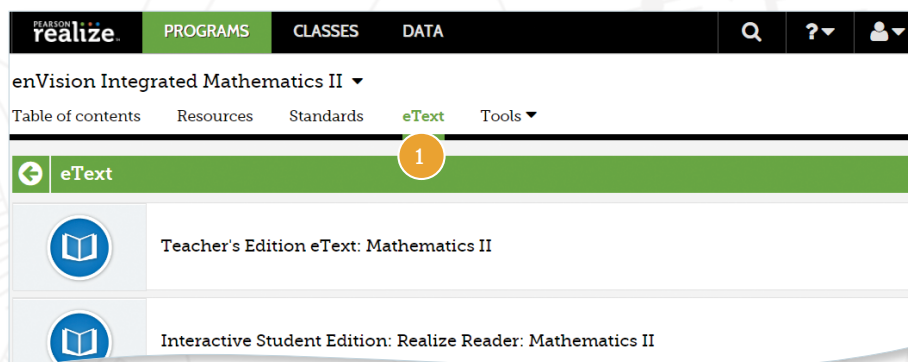
7. Select **My Content** to edit content you previously created.

8. Select **Teacher Resources** to open the side panel with additional teacher resources.

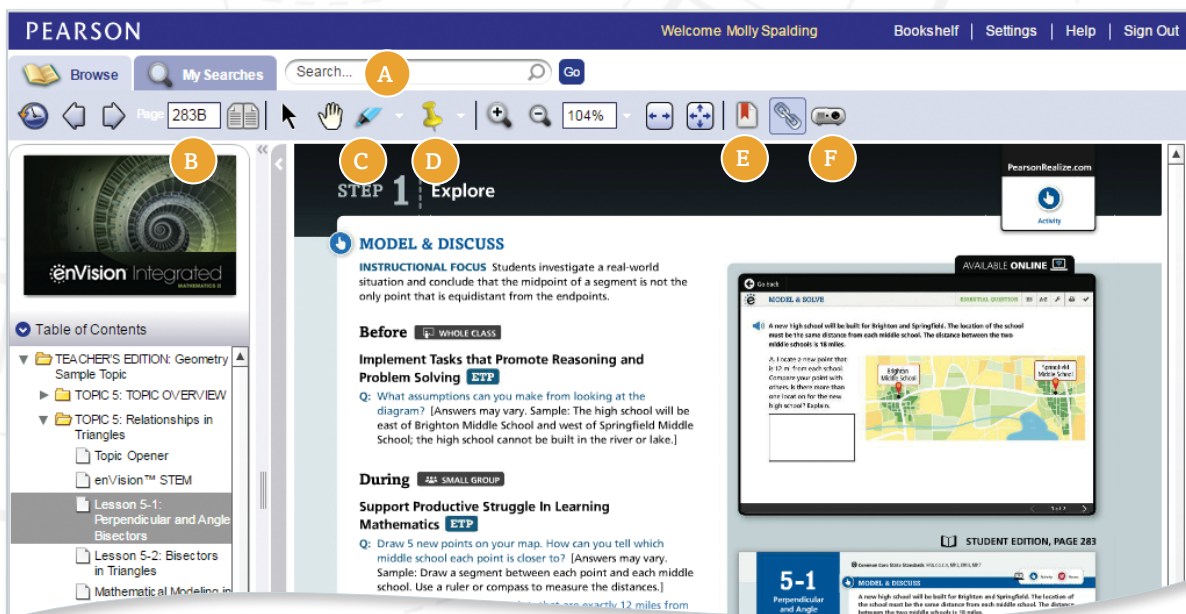
NOTE: The Table of Contents is seen here in Thumbnail View. A List View option is also available.

TEACHER eTEXT

1. To view the digital Student and Teacher's Edition, click **eText** on top of the page.

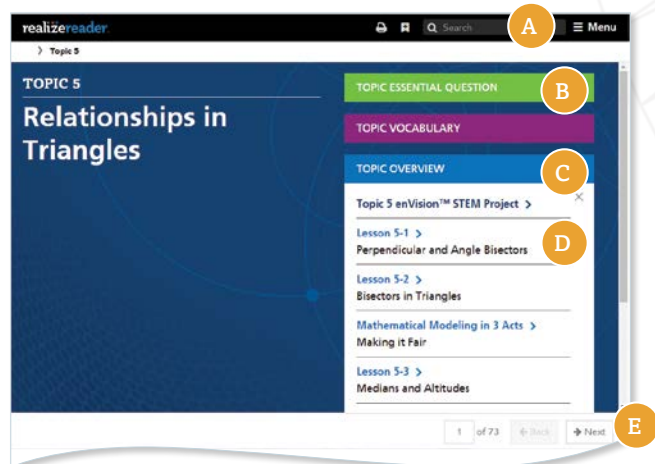


2. Click Teacher's Edition.

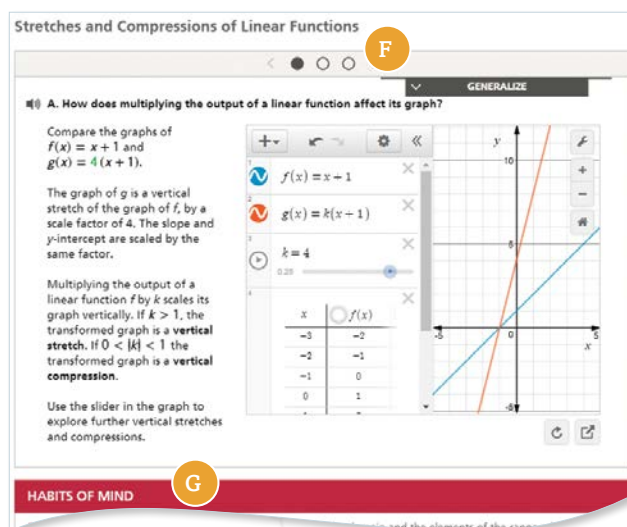


- A. Search by Keyword
- B. Search by Page Number
- C. Add Highlights
- D. Insert Sticky Notes
- E. Add Bookmarks
- F. Access Whiteboard View

1. Select a course you would like to review. From the **eText tab**, select the **Interactive Student Edition: Realize Reader**, which is available both online and offline. Then navigate to your topic of choice.

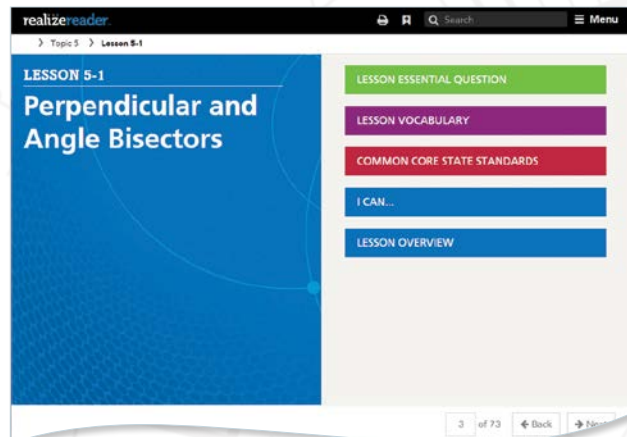


- A. Use the menu button to easily navigate the table of contents, access bookmarks, annotations, highlights, and the integrated notebook.
- B. Expand and collapse the tabs on the right to view Essential Question, Vocabulary, Topic Overview.
- C. To view lesson content, select Topic Overview.
- D. Select the lesson you wish to review.
- E. Click on NEXT to turn to the next page.



- F. The interactives powered by Desmos are pre-built and embedded within the student edition.
- G. Students can respond to the probing Habits of Mind questions within the integrated notebook.

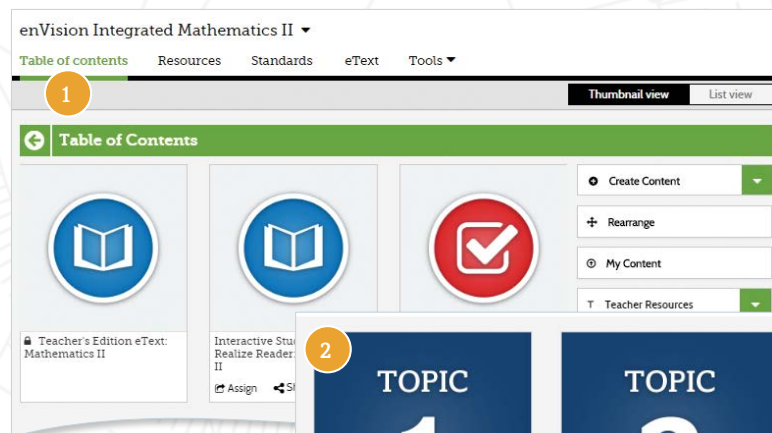
2. Page through the student edition to see all of the resources that are embedded at point of use, including:



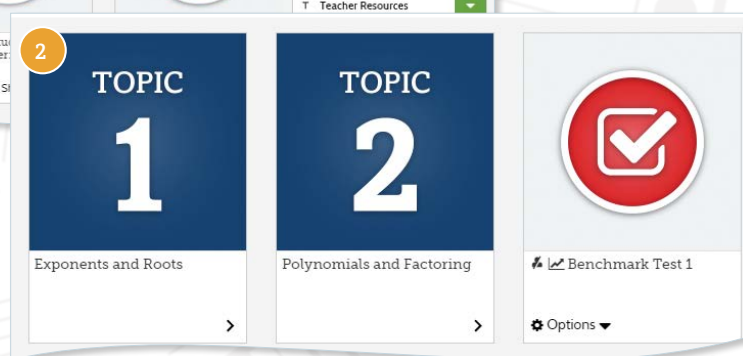
- Pre-built Interactives powered by Desmos
- enVision STEM projects
- Mathematical Modeling in 3 Acts
- Integrated notebook to respond to Habits of Mind questions
- Annotations & Highlighting
- Bookmarks
- Anytime Tools powered by Desmos
- Additional math tools
- English/Spanish glossary

TOPIC NAVIGATION

Select the course you wish to review.



1. The Table of contents shows Topics.
2. Choose a topic.
3. Scroll through to see the wealth of print and digital resources for each topic.



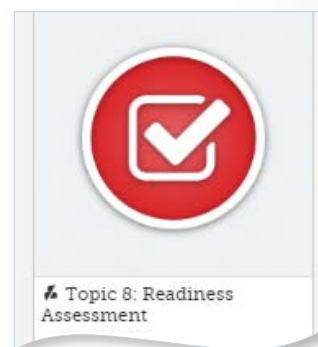
enVision STEM Projects

STEM Projects allow students to explore situations that address real social, economic, and environmental issues to make mathematical connections across topics.



Mathematical Modeling in 3 Acts

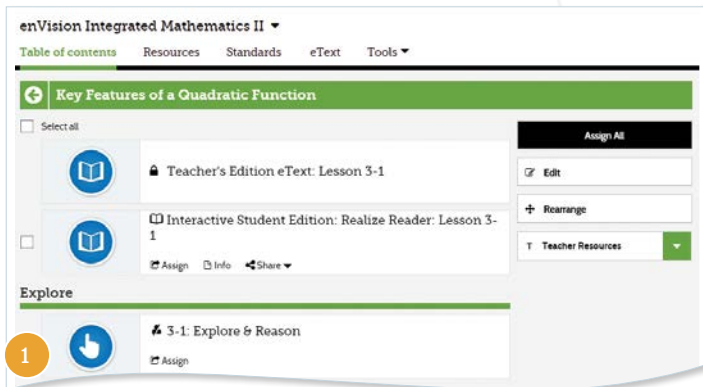
Make math relevant and develop patient problem solvers with lessons like Mathematical Modeling in 3 Acts.



Assessment Suite

Save time with the ready-to-use diagnostic, formative, and summative assessments or build your own assignment or assessment using thousands of items, including next generation assessment tasks.

LESSON NAVIGATION

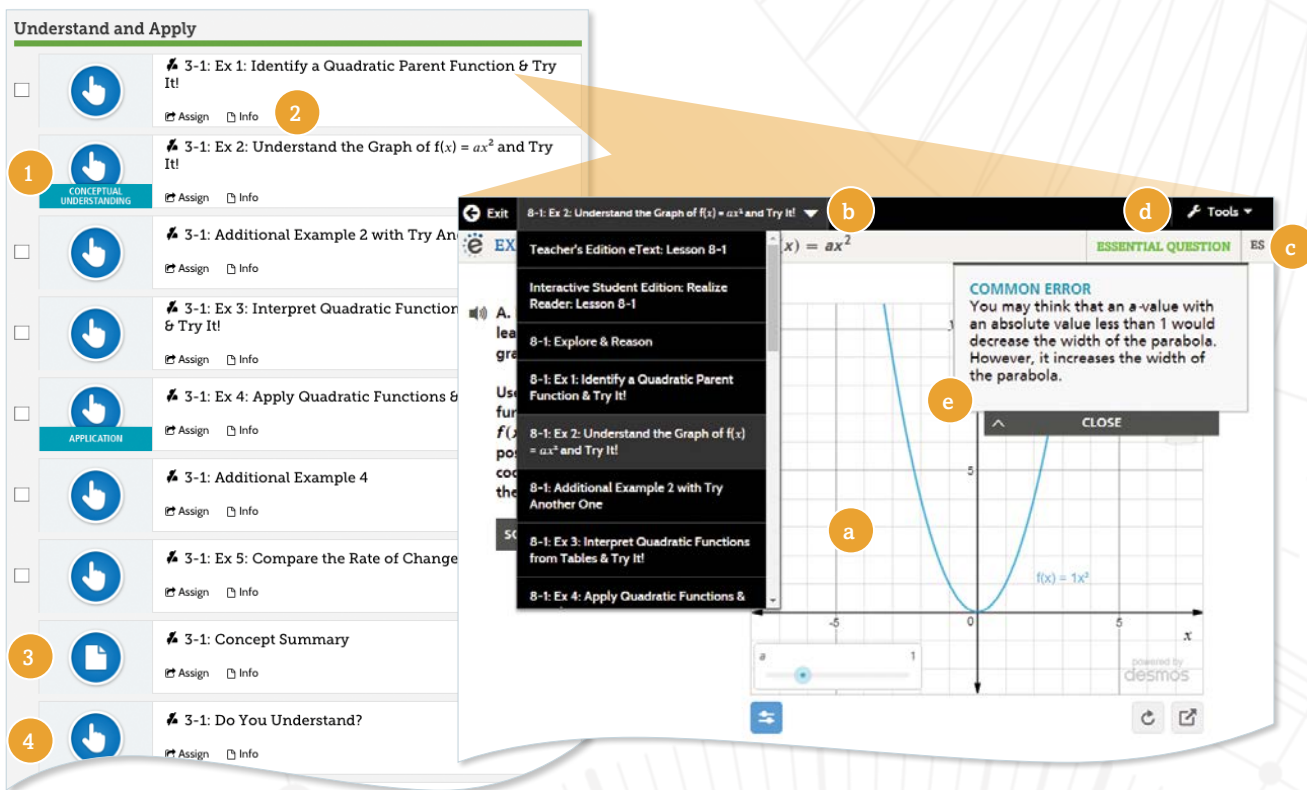


Step 1 - Explore

To navigate to a lesson, choose the course you wish to review, then select the topic and lesson.

1. Each lesson begins with an exploration to foster conceptual understanding through problem-solving. There are three types:

- Explore and Reason
- Critique and Explain
- Model and Discuss

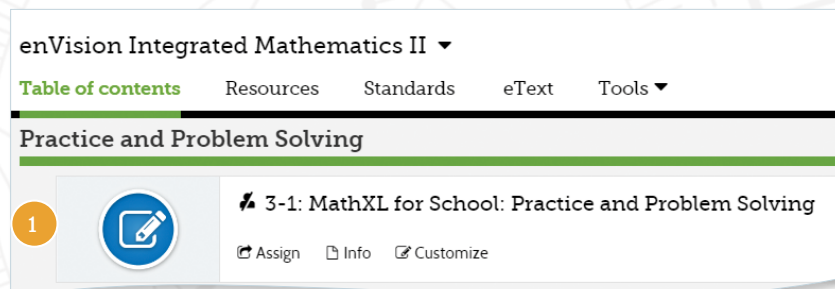


Step 2 - Understand and Apply

1. Examples are clearly labeled by type: Conceptual Understanding • Application • Skill • Proof (Geometry)
2. Click on any example you wish to explore.
 - a. Save time with prebuilt interactives powered by Desmos.
 - b. The drop-down menu allows you to toggle between lesson launch and examples while presenting.
 - c. Use the ES button to access Spanish text and audio of the problem statement.
 - d. Interactive math tools, including the Anytime Tools powered by Desmos, let you easily edit and create your own activities.
 - e. Cognitive callouts alert students of common misconceptions.
3. The **Concept Summary** provides multiple representations to consolidate student understanding.
4. End of lesson formative assessments include **Do You Understand?** to assess conceptual development and **Do You Know How?** assesses procedural fluency.

LESSON NAVIGATION

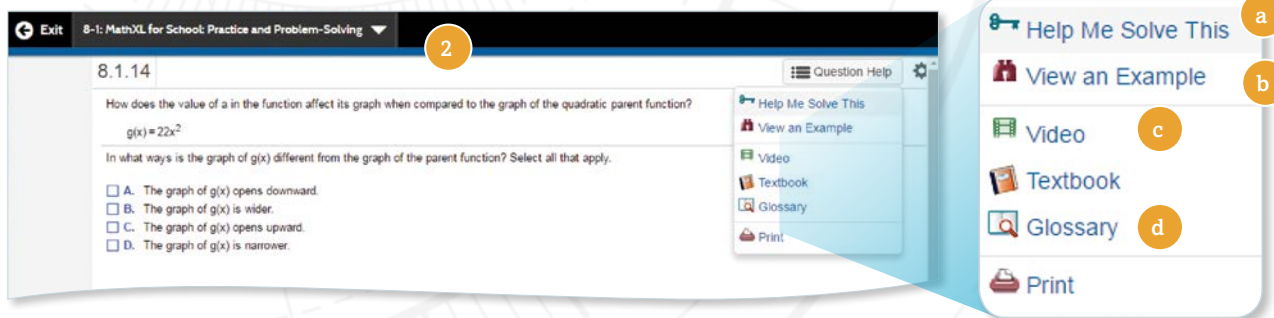
continued



Step 3 - Practice & Problem Solving

Digital daily practice assignments are available for every lesson.

1. Select **MathXL® for School: Practice and Problem-Solving**.
 - *MathXL® for School: Practice and Problem-Solving* mirrors the problem set in the Student Edition.



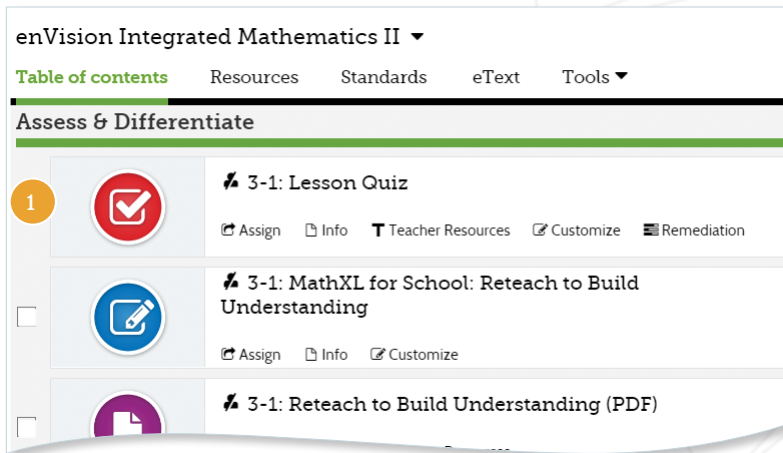
2. *MathXL® for School* allows students to use the interactive learning aids in the Question Help for instant feedback and support.
 - a. **Help Me Solve This** requires student interaction on each step. Once the initial problem is complete, it algorithmically recalculates a new problem.
 - b. **View an Example** walks through the steps of a similar problem.
 - c. **Video** links to a Virtual Nerd Tutorial. Three different viewing windows let students review math concepts in the visual way that best helps them learn. Students can easily drill down to another video to review prerequisite content. Available with Spanish closed-captioning!
 - d. The interactive online **Glossary** provides math definitions in English and Spanish. Audio, written definitions, and examples are available in both languages.

Virtual Nerd Mobile Math App

Students can also download the **Virtual Nerd Mobile Math app** on their mobile devices for access to Virtual Nerd video tutorials. To download the Virtual Nerd Mobile Math app, follow these steps:



1. Search for **"Virtual Nerd Mobile Math"** in your app store.
2. Select to download the app.



Step 4 - Assess & Remediate

- When teachers choose to assign a digital, auto-graded **Lesson Quiz**, the system gives you the option to automatically assign a differentiation assignment.

Differentiation Library

enVision Integrated provides a system for Response to Intervention and a library of resources to support a wide range of students.

Give all students what they need for success.
Each lesson includes:

Reteach to Build Understanding:

Guided reteaching offers a fresh approach.
Stepped-out, scaffolded support solidifies understanding. 📄📱

Enrichment:

Higher-order thinking activities help students develop deeper understandings. 📄📱

Additional Practice:

More practice for each lesson. 📄📱

Mathematical Literacy & Vocabulary:

Scaffolded support helps students build vocabulary. 📄

Virtual Nerd Videos:

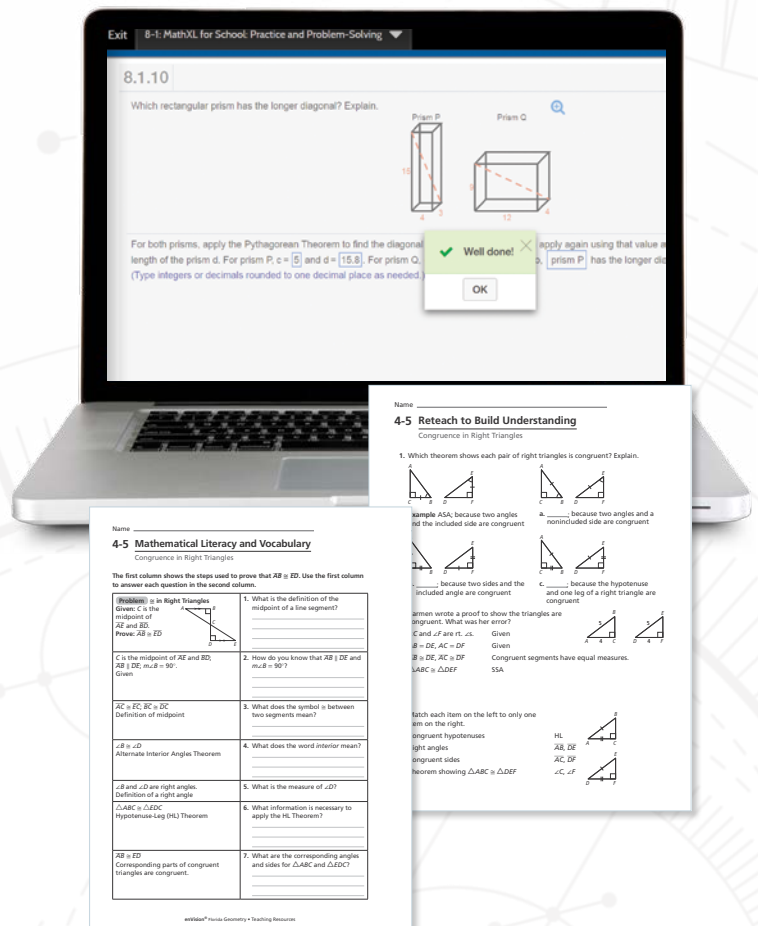
Tutorials are available for every lesson.



Available as an editable worksheet.



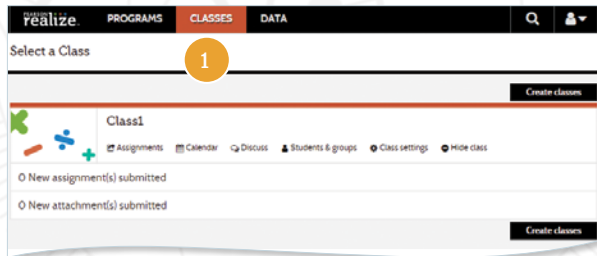
Available as a MathXL for School digital assignment.



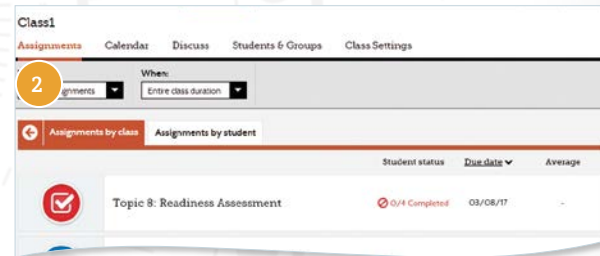
MANAGING CLASSES

Manage Assignments and Classes

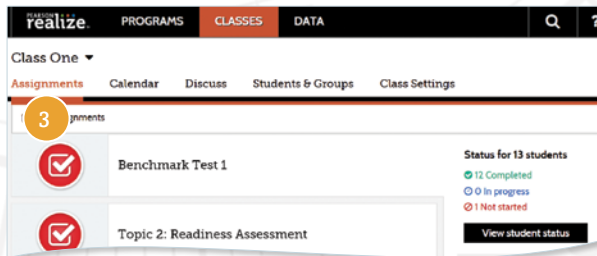
1. Click **Classes**



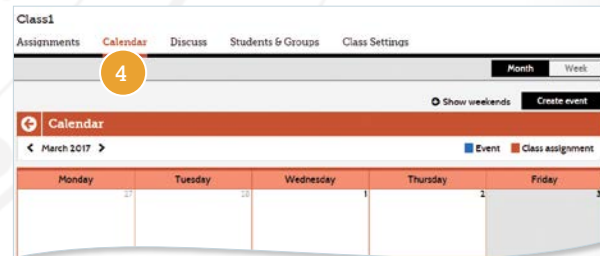
2. Click **Assignments** to view assignment status for the class.



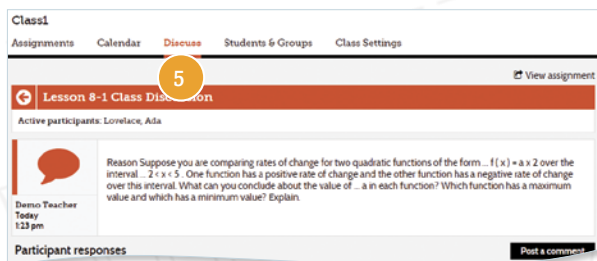
3. Click the assignment link to view status for the class or each student. Make edits to the assignment and preview the assignment on the right.



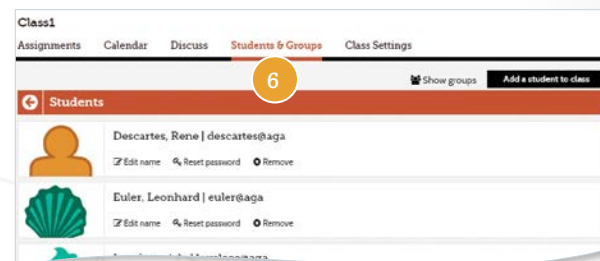
4. Click **Calendar** to view all class assignments by week or month.



5. Click **Discuss** to create a prompt for a class discussion.



6. Click **Students & Groups** to view student information, add students, and view assignments.



STUDENT DATA

Track, Record, and Analyze Data

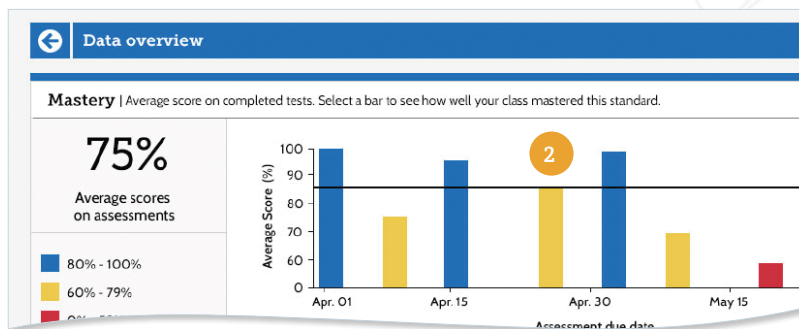
PEARSON realize. PROGRAMS CLASSES DATA

Select a Class 1

Class1

Class results by assignment Class mastery by standard

1. Click **Data** to view student data based on assigned work. Here you will find **Mastery**, **Progress**, and **Usage Reports**.



2. Click a bar in the **Mastery** section.

12/22/17: 2-1: Lesson Quiz

Assigned to: Class One | Average score: 88%

Mastery analysis Item analysis

Results for 4 standards

Average mastery for this test (% students mastered)

83% 92% 92% 83%

3

3. The **Mastery Analysis** shows in-depth information about standards coverage and mastery for an assignment.

Mastery analysis Item analysis

View by: Question Export Data

Question	Max Points	# of Students Correct	# of Students Incorrect	# of Students Partial
Question 1	1	11	1	0
Question 2	1	10	2	0

Previous Student Next Student

4

4. Click **Item Analysis** to see class and individual performance.

12/22/17: 2-1: Lesson Quiz

Assigned to: Class One | Average score: 88%

Mastery analysis Item analysis

Results for 1-4 of 4 standards

HSM.A1.2.1
Write and graph linear equations using slope-intercept form.

View Resources

5

5. Click a **standard** and then **View Resources** to see additional aligned resources available to assign for follow-up.

enVision® Integrated MATHEMATICS

View samples online!
savvas.com/enVisionIntegrated

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LEARNING COMPANY

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800-848-9500

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ADV: 9781418295622

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Get Fresh Ideas for Teaching: [Blog.Savvas.com](https://blog.savvas.com)