

# Online Resources Information Sheet

McGraw-Hill Education provides a variety of online resources that can help students be successful in their Mathematics classrooms.

- 1 Go to [www.connected.mcgraw-hill.com](http://www.connected.mcgraw-hill.com).
- 2 Log in using your child's username and password.

Student Name:

Username:

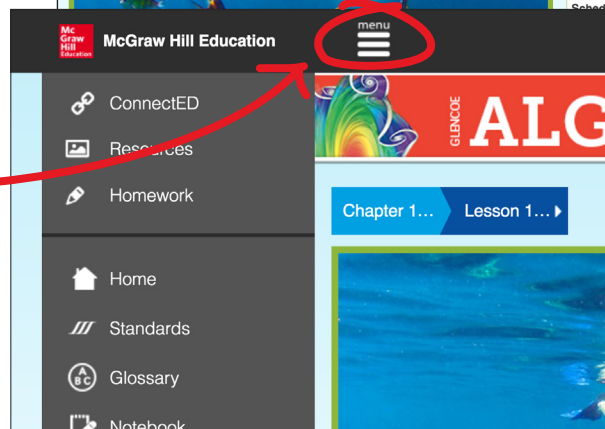
Password:



- 3 Click on the *Glencoe High School Math Series* cover (*Algebra 1, Geometry, Algebra 2, Precalculus*) to access the Student Center.
- 4 Select your **Chapter and Lesson** in the drop down menu.
- 5 **Resources** are dynamic to the chapter and lesson selected.
- 6 Clicking the **eBook** will open your online Student Edition.
- 7 This area will show your **Homework** assignments.



Click on the menu to get to your glossary, notebook, and messages.



# Helpful Tools for Homework Success

- 1 Homework problems are grouped and examples are referenced from the lesson.
- 2 Green circles indicate a step-by-step solution is available. Click to activate the animation.
- 3 The speaker icon at the bottom of the page provides an audio read of the lessons.
- 4 Additional resources can be found by clicking on the icons at the bottom of the pages.
- 5 Extra Practice provides additional problems from each lesson
- 6 Selected Answers and Worked-Out Solutions for odd-numbered problems.
- 7 Glossary and Index lists subjects and related page numbers
- 8 Quick reference for Formulas or Symbols and Properties



**Check Your Understanding** Step-by-Step Solutions begin on page R13.

**Example 1** Find the rate of change represented in each table or graph.

1. 2. 

| x  | y  |
|----|----|
| 3  | -6 |
| 5  | 2  |
| 7  | 10 |
| 9  | 18 |
| 11 | 26 |

**Example 2** **MP SENSE-MAKING** Refer to the graph at the right.

a. Find the rate of change of prices from 2006 to 2008. Explain the meaning of the rate of change.

b. Without calculating, find a two-year period that had a greater rate of change than 2006–2008. Explain.

c. Between which years would you guess the new stadium was built? Explain your reasoning.

**3** Determine whether each function is linear. Write yes or no. Explain.

4. 

| x  | y  |
|----|----|
| -7 | -4 |
| -1 | 2  |
| 5  | 5  |

 5. 

| x  | y  |
|----|----|
| 8  | 12 |
| 16 | 20 |
| 24 | -2 |

**5-6** Find the slope of the line that passes through each pair of points.

6. (5, 3), (6, 9) 7. (-4, 3), (-2, 1)

8. (6, -2), (8, 3) 9. (1, 10), (-8, 3)

10. (-3, 7), (-3, 4) 11. (5, 2), (-6, 2)

**6** Find the value of  $r$  so the line that passes through each pair of points has the given slope.

12.  $(-4, r), (-8, 3), m = -5$  13.  $(5, 2), (-7, r), m = \frac{5}{6}$

**Practice and Problem Solving** Extra Practice is on page R3.

**1** Find the rate of change represented in each table or graph.

14. 

| x  | y |
|----|---|
| 5  | 2 |
| 10 | 3 |
| 15 | 4 |
| 20 | 5 |

 15. 

| x | y  |
|---|----|
| 1 | 15 |
| 2 | 9  |
| 3 | 3  |
| 4 | -3 |

- Visual Vocabulary Cards and Multilingual eGlossary.\***
- Animations, videos, and interactive labs** are provided for many lessons to engage students and allow them to explore mathematical topics.\*
- Many examples in the book have a **Personal Tutor** that provides a teacher led demonstration of a problem similar to the one in their book.\*
- Virtual Manipulatives** provide practice with hands-on manipulatives used in the lessons.\*
- Self Check Quizzes and Chapter Tests** provide quick assessments with hints that students can use to get ready for in-class assessments.\*
- The Quick Review Math Handbook** provides additional examples, explanations and practice for the topics in a chapter.\*
- Additional Resources** available for the given page.\*
- Ancillary eBooks** provide additional examples and practice for each chapter.
- LearnSmart** is an ideal study tool providing practice and an individualized study plan on core course topics.
- The Geometer's Sketchpad®** Discover concepts using Geometer's Sketchpad.

\*Indicates resources found within the student eBook.