

## Section 2 Response from Publisher

**Publisher:** Pearson

**Title of Textbook(s):** Calculus: Graphical, Numerical, Algebraic 4<sup>th</sup> edition / AP<sup>®</sup> edition © 2012

**Grade Levels:** 11-12

**Focus Metric 6b**—Materials include teacher-directed materials that explain the role of the practice standards in the classroom and in students' mathematical development. Problems and activities present opportunities for students to make use of and exhibit the practices as they work on content.

**Comments:** No teacher directed materials that explain the role of the practice standards.

**Number Rating:** 0

**Pearson Response:** Calculus: Graphical, Numerical, Algebraic meets and aligns to the AP<sup>®</sup> Calculus Curriculum Framework as defined by the College Board. Though the practice standards are not explicitly mentioned in the book, they are employed throughout the text and supplements. The Annotated Teacher's Edition contains teacher notes that provide guidance to teachers.

**Focus Metric 8c.** Materials include supports for all learners, e.g. EL, students who are below grade level, advanced students.

**Comments:** No EL material or material for below grade level. Further exploration could provide some above grade level material.

**Number Rating:** 0

**Pearson Response:** For students who need additional support in their learning, Calculus: Graphical, Numerical, Algebraic provides the prerequisites chapter on algebra review and review exercises in every section. In addition each exercise set begins with routine problems. The chapter projects and extending the ideas exercises provided ample opportunities to challenge even the strongest student.

In addition, here are a few features that will support English Language Learners:

- Strong use of multiple representations throughout the text
- The Writing to Learn exercises give students practice at communicating about mathematics and opportunities to demonstrate understanding of important ideas.
- Group Activity exercises ask students to work on the problems in groups or solve them as individual or group projects. These activities encourage collaboration among all students in the classroom.

In addition, the online MyMathLab / MathXL for School technology resources associated with the text contain ample ways for students to practice their individual skill weaknesses. Using MathXL for School or MyMathLab for School, teachers can provide intervention to students who lack prerequisite skills while allowing students who have mastered the material to advance. MathXL for School meets the

diverse needs of struggling students. Through the comprehensive suite of learning aids, students receive immediate feedback and on-demand tools that provide multiple representations of the content for each student, for each problem. Multiple representations include: animations, videos, written examples, and step-by-step break down of problems. Furthermore, MathXL for School delivers personalized study plans that enable them to receive personalized instruction and achieve mastery.