

TEXTBOOK SELECTION AND ADOPTION FORM

Vital Information

Title Intermediate Algebra Fifth Editon Price \$96.97

Material (check one): Major text series Supplementary material

Instructional Course for which material will be used: Intermediate Algebra

Author: Elayn Martin-Gay Publisher: Pearson Prentice Hall

Place of Publication: Upper Saddle River, New Jersey

Year of Publication: 2009 Edition: 5th Edition

Current Text: None Year of Adoption: N/A

**Please score each item 1 – 3 points. 1 = Poor 2 = Fair 3 = Excellent
If an item is not applicable, please mark N/A.**

Please provide evidence and/or comments for each indicator.

Section A

Understanding: Content / Standards	Evidence / Comments	Points (1-3)
The materials support big ideas and/or essential questions that are aligned to the department/course curriculum.	The material in the book supports the state standards.	3
The content addresses district, state and national standards.	Every chapter covers the standards set by the district, state, and national standards.	3
The content flows in a logical progression appropriate for this course--from simple to complex, chronological, topical, etc.	The content flows smoothly. It builds from basic algebraic skills to more complex concepts that uses the basic skills.	3
Subtotal		<u>9</u>

Section A (continued)

Understanding: Critical Thinking / Assessment	Evidence / Comments	Points (1-3)
The content, including illustrations and examples, presents ethnic and gender diversity.	The book uses diverse pictures and names. Examples: Pg. 114 and 170.	2
The materials require learners to be thoughtful, reflective and use high level skills.	There are word problems in every section and questions that require critical thinking.	3
The materials include valid and varied assessments-both traditional and performance based.	Valid traditional test at the end of every chapter as well as group activities and mix reviews.	2
The assessment tools encourage both assessment of learning and assessment for learning to document student progress and achievement.	This book has chapter tests at the end of every chapter. It also has vocabulary and readiness checks for every section, and extra examples to work.	3
The content develops critical 21 st century skills which will enable students to effectively participate in a global society.	Every section has critical thinking and mathematical reasoning problems. The group activities address the technology aspect of the 21 st century skills.	3

Subtotal 13

Understanding: Integration / Differentiation	Evidence / Comments	Points (1-3)
Materials and activities are differentiated to address the diverse abilities, interests and needs of students.	There are different group activities, as well as concept extensions that provide relevant applications. The book uses pictures and diagrams to help with understanding the problem.	2
The materials include interdisciplinary connections and allow for application of skills to promote lifelong learning.	The book includes applications from many different subjects including statistics (supply and demand) and science (physics).	3
The materials reflect a “developmentally appropriate” approach to student learning.	Problems sequence from easy, to medium, to challenging concepts.	3
Outside experiences, including family involvement, are part of the learning experience.	At the end of each chapter are group assignments that could easily be designed to include the family.	2

Subtotal 10

Total Points for Section A 32

Section B

Pre-Reading: Background Knowledge	Evidence / Comments	Points (1-3)
Chapter introductions help students relate their own life experiences and previously learned information to the topic.	The introductions to each chapter use outside-of-the-classroom situations and contexts to help students see the connections between their own experiences and what they will be learning in the chapter, being explicit in what students will be learning.	3
The materials build on the students' prior knowledge within the chapter subsections.	I found that the beginning of each section often began with the phrase "recall". -Pg 339 starts off with "Recall that a rational number..."	3
Subtotal		<u>6</u>

Pre-Reading: Purpose Setting	Evidence / Comments	Points (1-3)
Chapters begin with a list of objective statements or essential questions indicating what students will learn.	At the beginning of each section, there is a list of objectives, not just at the beginning of each chapter.	3
Section headings are specific enough so that students can convert them to focus questions which direct their reading.	The section headings correlate directly to the objectives listed at the beginning of each section and each objective is clearly highlighted in the reading.	3
Subtotal		<u>6</u>
Total Points for Section B		<u>12</u>

Section C

Active Reading: Main Ideas	Evidence / Comments	Points (1-3)
Titles of sections within the chapter indicate the main idea of each section.	The title of each section gives a broad view of the objectives of each section, which are highlighted at the beginning of each section.	3
The main idea of each paragraph is clearly stated and easy to locate.	Each paragraph in the sections begins with citing an objective.	3
Subtotal		<u>6</u>

Section C (continued)

Active Reading: Supporting Main Ideas	Evidence / Comments	Points (1-3)
Main idea explanations are thorough.	The concepts are clearly explained, using previous knowledge and appropriate usage of bold fonts and color highlights.	3
Charts, pictures and other graphics support the main ideas and are appropriately located.	The pictures used for the geometry sections are clear and easy to understand. For the word problems on page 457, I was impressed with the use of the actual pictures to accompany contextual problems.	3
Interesting details are included to expand on the essential information in the text and to engage students.	This book does a good job of relating the mathematics to outside-of-the-classroom experiences. Almost all of the word problems I saw made connections to real-life situations.	3
Subtotal		9

Active Reading: Organization of Information	Evidence / Comments	Points (1-3)
The text is organized logically, so students can easily take notes.	Each example is clearly explained and demonstrated. The beginning of each section describes the objectives, and the end of each section>	3
Signal words are provided to indicate how ideas in the section are related to one another.	Vocabulary is highlighted in every section and pertains to the information being covered	3
The presentation of main ideas and details is consistent in each chapter.	As I read through the book, I found it consistent in the presentation of the information in the sense that each chapter is similarly constructed. I knew where the objectives would be listed, and expected sections to cite the objective before examples or explanations were given.	3
Subtotal		9

Active Reading: Vocabulary Development	Evidence / Comments	Points (1-3)
Important words/concepts are highlighted in the text (bold, italics, color).	Throughout the text, this is the case.	3
Important words/concepts are clearly defined or explained within the reading.	This is a very easy book to read, but none of the information is diluted to ease the understanding.	3
Concrete examples or analogies are included to clarify abstract ideas.	For every bit of abstract math, or algebraic definition, multiple concrete examples are given.	3

The author provides more than just a definition (e.g. pictures, examples, analogies, counter examples).	This is constant throughout the text. Very well done.	3
The number of highlighted vocabulary terms is appropriate for the concepts being explained. (Avoid too much jargon!)	Each of the highlighted/bold/italic words is connected to the objectives of each section. There are an appropriate amount of them.	3

Subtotal 15

Active Reading: Author's Writing/Student Engagement	Evidence / Comments	Points (1-3)
The author's style engages students— sentence structure is varied and not overly complex, verbs are mostly in the active voice.	Throughout each section, the word "we" is used: - We will use - We must exclude - As we simplify I believe this makes it easier for the student to read and feel engaged by the text.	3
The author uses imagery and concrete examples to help students visualize information.	This book does a very good job of having the abstract and concrete go together. Every definition or concept is paired with a concrete example, and most of which the student can relate to if not visualize easily.	3

Subtotal 6

Total Points for Section C 45

Section D

Post Reading: Metacognition	Evidence / Comments	Points (1-3)
The author provides quality questions within and at the end of each chapter. They correlate to the chapter objectives, help students check their understanding as they read, encourage higher order thinking, and promote class or small group discussions.	Every section has practice and concept check problems, along with vocabulary and readiness checks for each section. The problems start out with the basic skills and then develop into more critical analysis.	3

Signal words are provided to indicate how ideas in the section are related to one another.	Vocabulary is reinforced with each new level of difficulty per concept.	3
The summary accurately reflects the main ideas and key supporting information within the chapter.	The review and practice test accurately covers the concepts discussed throughout the chapter, and the vocabulary checks reinforce the vocabulary.	3

Total Points for Section D 9

Section E

Teacher's Guide and other Resources	Evidence / Comments	Points (1-3)
The teacher's guide includes activities for helping students to organize information, to lead their own discussions, and to work in cooperative groups.	The teachers guide has tips and suggestions for group activities, and at the end of every chapter there are group activities.	3
The materials and instructional plans are well organized and easy to use (teacher friendly).	The supplemental materials are labeled clearly, and every section includes mini lecturers.	3

Total Points for Section E 6

Section F

Ancillary Materials* for Students	Evidence / Comments	Points (1-3)
Ancillary materials expand knowledge of content by focusing on essential ideas.	Web link (referred to in text) that provides additional problems along with guided solutions, CD's/DVD's provide practice tests and vocabulary checks support 21 st century skills.	3
Ancillary materials meet the varying individual needs of students.	The needs of students are addressed by having activities and study skill practices to help reinforce main concepts.	3
Ancillary materials incorporate state of the art technology resources to facilitate teacher use and support student learning.	This book has a web extension that has support for each chapter as well as tutorials for the practice problems. There are also videos with mini-lectures, vocabulary, and concept checks.	3

*Workbooks, blackline masters, skill sheets, CDs, videos, DVDs, multi-level libraries, and primary resource documents.

Total Points for Section F **9**

Total Points Section A = 32

Total Points Section B = 12

Total Points Section C = 45

Total Points Section D = 9

Total Points Section E = 6

Total Points Section F = 9

Total Points for Text

113

Final Recommendation and explanation:

This book is recommended for adoption. It is clearly written and has step-by-step explanations that make it easy for the students to follow. The books constantly gives study tips and concepts checks in order to help students be successful in math. The examples and explanations will help our students to read mathematical text. The internet practices and tutorials address 21st century learning skills.

Submitted by:

Teacher	School	Date
Teacher	School	Date
Teacher	School	Date
Teacher	School	Date
Teacher	School	Date
Administrator	School	Date
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