



# AAAS Project 2061 Algebra Textbooks Evaluation

<b>Summary of Instructional Analysis Ratings for <i>Focus on Algebra</i> Addison Wesley Longman, 1998</b>	Idea Set		
Instructional Categories	Functions	Variables	Operations
<b>I. IDENTIFYING A SENSE OF PURPOSE</b>			
Conveying Unit Purpose	■	■	▣
Conveying Lesson Purpose	▣	■	□
Justifying Sequence of Activities	▣	▣	■
<b>II. BUILDING ON STUDENT IDEAS ABOUT MATHEMATICS</b>			
Specifying Prerequisite Knowledge	▣	■	▣
Alerting Teacher to Student Ideas	■	■	▣
Assisting Teacher in Identifying Ideas	■	■	■
Addressing Misconceptions	■	■	□
<b>III. ENGAGING STUDENTS IN MATHEMATICS</b>			
Providing Variety of Contexts	▣	▣	▣
Providing Firsthand Experiences	▣	▣	▣
<b>IV. DEVELOPING MATHEMATICAL IDEAS</b>			
Justifying Importance of Standards Ideas	□	■	▣
Introducing Terms and Procedures	▣	□	▣
Representing Ideas Accurately	▣	▣	▣
Connecting Standards Ideas	▣	■	▣
Demonstrating/Modeling Procedures	▣	▣	▣
Providing Practice	▣	□	▣
<b>V. PROMOTING STUDENT THINKING ABOUT MATHEMATICS</b>			
Encouraging Students to Explain Their Reasoning	■	■	□
Guiding Interpretation and Reasoning	▣	□	□
Encouraging Students to Think about What They've Learned	■	■	■
<b>VI. ASSESSING STUDENT PROGRESS IN MATHEMATICS</b>			
Aligning Assessment	▣	□	▣
Assessing through Applications	□	■	▣
Using Embedded Assessment	■	■	▣



Poor: 0-1.4



Fair: 1.5-1.9



Satisfactory: 2-2.4



Good: 2.5-2.9



Excellent: 3