

## Typical Sightings for *MATH Connections*

CRITERION	Average Instructional Ratings								BOOK	PAGE(S)	ACTIVITY	IDEA SET
	0	0.5	1.0	1.5	2.0	2.5	3.0					
I.1 Conveying Unit Purpose									3a	69	Exponential Functions – Opening paragraph	Functions
I.2 Conveying Lesson Purpose									3a	3	Learning Outcomes	Functions
I.3 Justifying Sequence of Activities									3a	T-1	Algebraic Functions – Opening paragraphs	Functions
II.1 Specifying Prerequisite Knowledge									2b	493	Opening paragraph	Operations
II.2 Alerting Teacher to Student Ideas									1a	T-43; T-54	Welcome to Algebra; 2.3 Laws of Algebra	Variables
II.3 Assisting Teacher in Identifying Ideas									1a	87 (ref. Page v)	#2.16	Variables
II.4 Addressing Misconceptions									1b	T153-154	It All Depends	Functions
III.1 Providing Variety of Contexts									1a	112 –120/T-60, T62-T66	#2.41-2.45; Problem Set 2.4	Operations
III.2 Providing Firsthand Experiences									2b	481-492/ T-255-T256	Systems of Equations and Graphs	Operations
IV.1 Justifying Importance of Standards Ideas									1a	77-79	Abbreviations All Around Us	Variables
IV.2 Introducing Terms and Procedures									1b	346-347	Example 3	Functions
IV.3 Representing Ideas Accurately									1b	314-317	#5.51–5.54	Operations
IV.4 Connecting Standards Ideas									3a	T12-13	Finding the Inverse – Opening paragraph	Functions
IV.5 Demonstrating/Modeling Procedures									2b	512-515	#6.27-6.30	Variables
IV.6 Providing Practice									1a	112-120	#2.41-2.45; Problem Set 2.4	Operations
V.1 Encouraging Students to Explain Their Reasoning									1a	90-91	#1b-c, 2b-c, 3	Variables
V.2 Guiding Interpretation and Reasoning									2b	511-522	Opening paragraphs; #6.27-6.30	Variables
V.3 Encouraging Students to Think about What They've Learned									1b	324-325	Reflect	Variables
VI.1 Aligning Assessment									1a Assessments	2, 4	Quiz 2.3-2.4 (A) #5, 10	Operations
VI.2 Assessing through Applications									1a Assessments	4-5	Quiz 2.3-2.4 (A) #11	Operations
VI.3 Using Embedded Assessment									1a	111-114	#2.40, 2.43, 2.45	Operations