

Topic 3
Answer Key & Scoring

Pretest and Posttest

Item	Answer	Category	Scoring
1	E	Conceptual	
2	C	Conceptual	
3	B	Conceptual	
4	C	Conceptual	
5	D	Conceptual	
6	A	Procedural	
7	B	Procedural	
8	(20, -7)	Procedural	1 pt for correctly using substitution procedure (ignoring calculation errors)
9	D	Procedural	
10	A	Procedural	
11a	B	Flexibility (Knowledge of Multiple Strategies)	1 pt for correctly answering both 11a and 11b
11b	B	Flexibility (Efficiency)	
12	E	Flexibility (Knowledge of Multiple Strategies)	
13	A	Flexibility (Efficiency)	
14	B	Flexibility (Efficiency)	
15	(9, 11)	Flexibility (Efficiency)	1 pt for correctly using a more efficient method (e.g., elimination method)