**A**–10

## **Observation General Scoring Rubric**

Criteria	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding				
Understand concepts	<ul> <li>limited understanding</li> </ul>	some understanding	considerable understanding	<ul> <li>thorough understanding</li> </ul>
Perform algorithms	simple algorithms	inconsistent accuracy	consistent accuracy	<ul> <li>chooses most efficient algorithm and performs it accurately</li> </ul>
		Thinking		
Apply the inquiry process	needs significant direction	needs minor hints/directions	applies process(es)     without direction	<ul> <li>sees the process with a broad view and works independently</li> </ul>
Create a model	<ul> <li>relates to task in limited ways</li> </ul>	<ul> <li>relates to task in some ways</li> </ul>	<ul> <li>relates to task</li> </ul>	<ul> <li>relates fully to task and is innovative</li> </ul>
Select and use tools	<ul> <li>major gaps and errors</li> </ul>	<ul> <li>minor gaps and errors</li> </ul>	<ul> <li>appropriate, accurate choices</li> </ul>	most appropriate choices
Make inferences	very limited connections	Iimited connections	direct connections	<ul> <li>direct connections, well supported with evidence</li> </ul>
		Communication		
Communicate orally, in writing, and symbolically	<ul> <li>limited clarity and partially understandable to others</li> </ul>	<ul> <li>some clarity and somewhat understandable to others</li> </ul>	considerable clarity and understandable to others	<ul> <li>high degree of clarity with very clear and detailed statements</li> </ul>
Use mathematical language	infrequent correct usage	some correct usage	mostly correct usage	correct and efficient usage
	1	Application	1	1
Apply concepts/ procedures in familiar and/or unfamiliar settings	applies concepts/procedures to simple problems with substantial assistance	<ul> <li>applies concepts/procedures to simple problems with minimal or no assistance</li> </ul>	<ul> <li>applies concepts/procedures to grade-level problems with no assistance</li> </ul>	<ul> <li>applies concepts/procedures to complex problems with no assistance</li> </ul>

## **Comments:**

Foundations for College Mathematics 11: Teacher's Resource **A–10 Observation General Scoring Rubric**