Observation General Scoring Rubric

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

Comments:

Foundations for College Mathematics 12: Teacher's Resource A–10 Observation General Scoring Rubric



A-10