**INVESTIGATION: Will the ball go in the hoop?**

**Evaluation:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **UNDERSTANDING**  **OF**  **CONCEPT** | - Information identified is not relevant to solving the problem  - Visual representation provided with no relevant information provided OR a variety of errors | - Some relevant information is identified - two components are required to solve the problem  - Visual representation provided with some relevant information labeled OR some errors | - Most relevant information is identified – one component is required to solve the problem  - Accurate visual representation provided with most relevant information labeled | - All relevant information is identified  - Accurate visual representation provided with all relevant information labeled |
| **SELECT & APPLIES GENERAL RULES** | - Identifies the intent of the question and chooses a strategy to solve the problem – major mistakes made | - Identifies the intent of the question and chooses a strategy to solve the problem – minor mistakes made | - Identifies the intent of the question and chooses an appropriate but longer or more difficult strategy to solve the problem | - Identifies the intent of the question and chooses an appropriate strategy to solve the problem |
| **USE OF APPROPRIATE CONCEPTS AND SKILLS TO SOLVE** | - Thought process is unclear and/or errors made  - Creates an inaccurate conclusive statement | - Thought process is difficult to understand    - Creates an accurate conclusive statement | - Demonstrates mostly a clear and logical thought process  - Creates an accurate conclusive statement | - Demonstrates a clear and logical thought process  - Creates an accurate conclusive statement |

**Purpose:**

Can quadratic functions allow individuals to make predictions? Explain.

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**Procedure:**

1. Watch the video. Go to [www.msskehil.weebly.com](http://www.msskehil.weebly.com) to view the video.
2. Determine what information is required to answer the inquiry question.
3. Show a detailed description (calculation(s)) to support your answer.

**Information Required:** This is due on Day 1: Jan 11th and Day 2: Jan 14th.

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**Solution with Detailed Description :**  This is due on Day 1: Jan 21st and Day 2: Jan 22nd.