**Name: Student A**

| **Criteria** | **Performance Level****(Advanced, Proficient, Developing, Emerging)**  | **Rationale** |
| --- | --- | --- |
| Mathematical**Understanding** | Developing | The student demonstrates a partial understanding of concepts and skills associated with the task. |
| Problem Solving | Developing | The student produces a solution relevant to the problem but does not confirm the reasonableness of how to determine how much farther the water must travel before it hits the ground.  |
| **Communication****and****Reasoning** | Proficient | Student A uses mathematical language to communicate thinking |
|  **Representations** **and** **Connections** | Proficient | The student makes a mathematical connection that is relevant to the context of the problem  |

**Name: Student B**

| **Criteria** | **Performance Level****(Advanced, Proficient, Developing, Emerging)**  | **Rationale** |
| --- | --- | --- |
| Mathematical**Understanding** | Proficient | Student B applies mathematical concepts and skills which lead to a valid and correct solution. |
| Problem Solving | Proficient | Student B’s problem solving strategy displays an understanding of the underlying mathematical concept. |
| **Communication****and****Reasoning** | Proficient | Student B demonstrates reasoning and/or justifies solution steps, and uses mathematical language to communicate thinking. |
|  **Representations** **and** **Connections** | Proficient | The student makes a mathematical connection that is relevant to the context of the problem. |

**Name: Student C**

| **Criteria** | **Performance Level****(Advanced, Proficient, Developing, Emerging)**  | **Rationale** |
| --- | --- | --- |
| Mathematical**Understanding** | Developing | The student demonstrates partial understanding of how to find the maximum height of the water. |
| Problem Solving | Developing | Student C’s problem solving strategy displays a limited understanding of how to identify how much farther the stream of water must travel when the stream of water is 32 feet above ground. |
| **Communication****and****Reasoning** | Developing | Student C provides limited evidence to support the images provided, and uses limited mathematical language to partially communicate thinking. |
|  **Representations** **and** **Connections** | Developing | This student makes a partial mathematical connection or the connection is not relevant to the context of the problem  |

**Name: Student D**

| **Criteria** | **Performance Level****(Advanced, Proficient, Developing, Emerging)**  | **Rationale** |
| --- | --- | --- |
| Mathematical**Understanding** | Proficient | Student D applies mathematical concepts and skills which lead to a valid and correct solution. |
| Problem Solving | Developing | The student produces a solution relevant to the problem but does not confirm the reasonableness of the solution. |
| **Communication****and****Reasoning** | Developing | Student D provides limited evidence to support arguments and claims, and uses limited mathematical language to partially communicate thinking. |
|  **Representations** **and** **Connections** | Developing | This student uses an incomplete or limited representation to model the problem. |