|  |  |  |  |
| --- | --- | --- | --- |
|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Find the value of x. 2x + 50404x -2x = 26 | If a triangle has side measurements of 12 cm, 16 cm, and 20 cm, is the triangle a right triangle? Yes, 122 + 162 = 202 | ***Problem 1***Grade 6 Math Grid.png |
| **Tuesday** | Sanjay is trying to determine if the points (-2, 4), (-3, 10), (-1, 12), and (-4, 6) represent a function. Explain how you know these points represent a function.Yes, each x-value has only one corresponding y-value. | What is the rate of change in the table below?

|  |  |
| --- | --- |
| X | Y |
| 1 | 5 |
| 3 | 9 |
| 5 | 13 |
| 7 | 17 |
| 11 | 25 |

2 | ***Problem 2***Grade 6 Math Grid.png |
| **Wednesday** | Harper is filling her little sisters wading pool full of water. Sketch a graph and write a description of this situation. Answers will vary. Students should show the water level increasing at constant rates unless they include reasons in the story were changes would be occurring. | Find the volume of a cone with a radius of 5.5 inches and a height of 10.4 inches to the nearest tenth. 329.3 in3 | ***Problem 2***Grade 6 Math Grid.png |
| **Thursday** | Amy is trying to decide what vehicle to purchase based on the best gas mileage. * The Drive 450 has a gas mileage of y = 23x, where x is the number of gallons of gas used for y miles driven.
* The Zoom 560 has a gas mileage displayed in the table below.

|  |  |
| --- | --- |
| **Gallons of Gas** | **Miles Driven** |
| **3** | **75** |
| **4** | **100** |
| **6** | **150** |
| **10** | **250** |

Which car should Amy buy based on the gas mileage? Explain. The Zoom 560 has a better gas mileage with 25 MPG versus the Drive 450 which has 23 MPG | Approximate the value of $-\sqrt{52} $to the nearest tenths place. -7.2 | ***Problem 2*** |
| **Friday** | A rectangle’s length is 4 inches less than three times the width. The perimeter of the rectangle is 32 inches. Find the dimensions of the rectangle. 5 inches by 11 inches | Solve for x:$$\frac{3^{x}}{3^{8}}=\frac{1}{3^{5}}$$x = 3 | Grade 6 Math Grid.png***Problem 2*** |

