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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Find the value of x.  2x + 50  40  4x -2 | If a triangle has side measurements of 12 cm, 16 cm, and 20 cm, is the triangle a right triangle? | ***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. | What is the rate of change in the table below?   |  |  | | --- | --- | | X | Y | | 1 | 5 | | 3 | 9 | | 5 | 13 | | 7 | 17 | | 11 | 25 | | ***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. | Find the volume of a cone with a radius of 5.5 inches and a height of 10.4 inches to the nearest tenth. | ***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. | Approximate the value of to the nearest tenths place. | ***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. | Solve for x: | ***Problem 2***  Grade 6 Math Grid.png |

