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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | The perimeter of the figure below is 9b2 – 2ab + 12a2. What is the length of the missing side?**9ab + 8a2****4a2 – 4ab** **7b2 – 2ab****?** | What is the slope of the line that is perpendicular to the line containing the points (-2, 5) and (-11, 15)? Write your answer as a fraction in lowest terms if necessary.  | ***Problem 2***Grade 6 Math Grid.png |
| **Tuesday** | The first six numbers of a pattern are shown below. If the pattern continues, what would be the 9th term?$\frac{1}{3}$**,** $\frac{4}{3}$**, 3,** $\frac{16}{3}$**,** $\frac{25}{3}$**, 12………** | A rectangular blacktop with a length of 5*x* and a width of 3*x* has been erected inside a rectangular field that has a length of 12*x* and a width of 7*x*. What is the area of the part of the field that is not blacktop? | ***Problem 1***Grade 6 Math Grid.png |
| **Wednesday** | Determine the value of h(5) when$h\left(s\right)=2\left|-\frac{2}{3}s-6\right|.$ Write your answer as a fraction in lowest terms if necessary. | Ross has (8x – 5) tickets for Chuck E Cheese. He is going to play today and wants to buy a prize that is (15x + 1) tickets. How many tickets must he win to have enough tickets to buy the prize?  | ***Problem 1***Grade 6 Math Grid.png |
| **Thursday** | Bob mowed (2x2 + 5x – 3) yards on Monday, (4x – 7) yards on Tuesday, and (3x2 + 10) yards on Wednesday. How many yards did he mow in the three days? | http://www.emathtutoring.com/articles_imgs/7061/zeros_15.gifWhat is the absolute value of the difference in the x-values of the roots of the quadratic function graphed below? | ***Problem 2***  |
| **Friday** | Three identical tennis balls, with a diameter of 8 centimeters are stacked in a cylindrical container. Find the volume of the container to the nearest cubic centimeter.  | The charity that you volunteer for is selling potted daffodils in the spring to raise money. The charity has spent $250 on supplies and plans to sell them for $5 each. What is the minimum number of daffodils the charity needs to sell in order for the profit to be positive?  | ***Problem 2*** |

*Questions adapted from Score21 and SchoolNet* 