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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Triangle XYZ contains the points X (-3, 7), Y (6, 9), Z (3, 7). What will the coordinates of Z’ after a dilation with a scale factor of 4? | Shopper 1 is spending money at the rate of y = -75x. Shopper 2 is spending money at the rate below.    What is the difference in their spending per hour? | ***Problem 2***  Grade 6 Math Grid.png |
| **Tuesday** | Find the perimeter of Parallelogram ABCD. | Given the pre-image points D(3, 1), E(-3, 2), and  F (-2, -2); what are the coordinates of the image after a translation of  (x, y) -> (x -5, y + 2), then a rotation of 90° counter clockwise. | ***Problem 1***  Grade 6 Math Grid.png |
| **Wednesday** | The two rectangles below are similar. Find the value of x. | Given DEF with D (5, -2), E (-3, 4), and F (-5, -6). Find the image points after:  A reflection over the y axis, then a translation of  (x, y) → (x + 1, y – 4). | ***Problem 1***  Grade 6 Math Grid.png |
| **Thursday** | Write the equation of the linear function.    What is the sum of the slope and y-intercept? | Given in the table are the samplings of average annual temperatures collected at different elevations in the United States.   |  |  | | --- | --- | | Elevation (meters) | Average Annual Temp (°C) | | 1,000 | 15 | | 490 | 20 | | 2,200 | 8 | | 650 | 17 | | 1,750 | 8 | | 1,500 | 12.5 | | 800 | 18 | | 1,400 | 15 | | 2,000 | 10 | | 1,200 | 12 |   What type of correlation exists between these two data sets? | ***Problem 1*** |
| **Friday** | Graph the line | Point A was translated from (-12, 9) to A’ (3, 4). How many units was the point translated on the x-axis? | Grade 6 Math Grid.png***Problem 2*** |

*Questions adapted from Score21 and SchoolNet* 