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|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | Circle the relation(s) below that does not represent a function. Explain. | During a football play, DeSean Jackson runs a straight route 40 yards up the sideline before turning around and catching a pass thrown by Michael Vick. On the opposing team, a defender who started 20 yards across the field from Jackson saw the play setup and ran a slant towards Jackson. What was the *distance* the defender had to run to get to the spot where Jackson caught the ball? Round your answer to the nearest tenth if necessary. | ***Problem 2***  Grade 6 Math Grid.png |
| **Tuesday** | The area of a circle varies directly as the square of its radius. If a circle has an area of 78.5 in2 with a radius of 5 in, what is the radius of a circle with an area of 113.04 in2? Round your answer to the nearest tenth if necessary. | Britt deposited $2,000 into a savings account that pays an annual interest rate of 8% compounded annually. Determine the amount of money in the savings account after 1 year, 5 years, 10 years and 20 years. Round answers to nearest dollar. | ***Problem 1***  Grade 6 Math Grid.png |
| **Wednesday** | Apex Wireless charges $54.99 for the first 200 minutes then $0.35 for each additional minute used. Kelsey’s monthly bill was $89.99. What were the total minutes she used this month? | A radioactive substance has a half-life of 5 days. A scientist buys 224 grams of it. How much of it will remain as the original substance in 30 days? | ***Problem 1***  Grade 6 Math Grid.png |
| **Thursday** | Which of the three professions below have the largest range of annual incomes? | If there are 60 police officers and 18 Musicians in Holly Springs, how many of them make more than the median income? | ***Problem 2*** |
| **Friday** | For each of the equations below name the type of function, determine the growth, and the initial amount.  y = 5(0.4x) y = 5 – 0.4x | Solve. | ***Problem 2*** |

*Questions adapted from Score21 and SchoolNet* 