|  |  |  |  |
| --- | --- | --- | --- |
|  | **Problem 1** | Problem 2 | Gridded Response |
| **Monday** | The area of a square is 30 inches. Would the side length of this square be rational or irrational? | Alice received $150 for his birthday. She then saved $20 per week until she had a total of $390 to buy a new cell phone. Write and solve an equation to show how many weeks it took her to save the money. | ***Problem 2***Grade 6 Math Grid.png |
| **Tuesday** | A utility pole has a 50ft. cable stretched from the top to an anchor point on the ground 30 ft. from the base of the pole. How tall is utility pole?  | Use the graph to find the solution of the system of equations.*y* = 2*x* – 2 *y* = $-\frac{5}{2}x$ + 7 [image] | ***Problem 1***Grade 6 Math Grid.png |
| **Wednesday** | What type of correlation would you expect between the cost of a gym membership and the number of new memberships sold? | Samuel bought three plastic cones with a diameter of 8 cm and a height of 5.5 cm. Find the volume of the three cones to the nearest cubic centimeter.[image] | ***Problem 2***Grade 6 Math Grid.png |
| **Thursday** | The growing rate of a sunflower at Store A can be described as $y=\frac{5}{2}x+10. $The growing rate of a sunflower at Store B is given in the table.

|  |  |
| --- | --- |
| Days | Height(in) |
| 0 | 10 |
| 1 | 13 |
| 2 | 16 |
| 3 | 19 |

Which slower would you buy if you want to buy the fastest growing sunflower? | The points (–4,–2) and (–4, 5) are adjacent vertices of a rectangle. Two of the sides of the rectangle have a length of 5 units. What is the length of a diagonal of the rectangle? Round to the nearest tenth. | ***Problem 2***  |
| **Friday** | Find the sum of x and y. y = 3x - 2*2y* = 4*x* + 10 | Approximate $\sqrt{20}$ to the nearest tenth.  | ***Problem 1***Grade 6 Math Grid.png |

