Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Weekly Spiral Questions - Quarter 2 Week 6**

Show all work on a separate paper and attach it to the back. Be sure to label your answers appropriately! **(Calculator Inactive)**

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| 1. A pirate found a treasure chest full of gold. It contains 100 gold coins which each weighed 1.56 pounds. The chest itself weighs 136 pounds when empty. If the pirate’s sailors can each lift 73 pounds, how many sailors are needed to lift the treasure chest filled with gold coins? | **Answer:** |
| 2. Evaluate twenty-two cubed. | **Answer:** |

|  |  |
| --- | --- |
| 3. Use the expression below to answer the following questions:**7x + 3y + (x - 8) + 16**1. What is an example of a coefficient in the expression above?
2. *How many* terms are in the expression above?
3. What is an example of a variable in the expression above?
4. What is an example of a constant in the expression above?
 | **Answer:****a)\_\_\_\_\_\_\_\_\_****b)\_\_\_\_\_\_\_\_\_****c)\_\_\_\_\_\_\_\_\_****d)\_\_\_\_\_\_\_\_\_** |
| 4. Is $p=8$ a solution to$$12p-10>5p+50$$ | **Answer:** |

|  |  |
| --- | --- |
| 5. Shelby, Madison, and Lauren were studying in the library (they all started at the same time). Shelby spent 1 $\frac{5}{8}$ hours studying, Madison spent 1$ \frac{3}{4}$ hours studying, and Lauren spent 1$\frac{3}{ 10}$ hours studying. In what **order** did they finish (first-last)? | **Answer:** |
| 6. Solve for x.$$5\left(2x-x\right)+7x=72∙2$$7. The Appalachian Mountains are 6,888 feet **above sea level**. Death Valley is 480 feet **below sea level**. What is the difference in elevation between these geographic features? | **Answer:****Answer:** |

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| 8. Determine which value(s) from the set **{1, 3, 4, 5}** provide solution(s) to the inequality. $$7w>4w+8$$

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 | **Answer:** |