

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

## Weekly Spiral Questions - Quarter 2 Week 7

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

1. To rent a kayak at the beach, there is an initial fee of \$52. For each hour the kayak is rented, there is an additional \$7 fee. Write an expression to calculate the total cost of renting the kayak for $h$ hours.	<b>Answer:</b>
2. What is the value of the expression $5(x \div y)^2 + x$ When $x=64$ and $y=16$	<b>Answer:</b>
3. Evaluate. $ -17  +  23  \cdot 3$	<b>Answer:</b>
4. Write the phrase, "six times the difference of a number and nine" algebraically.	<b>Answer:</b>
5. In January in Fairbanks, the average low is $-35^{\circ}\text{F}$ , but for the next two months, the average low increases by $12^{\circ}\text{F}$ each month. What is the average low in March?	<b>Answer:</b>
6. The Panthers scored 11 fewer points than four times the Buccaneers. Write an expression to represent the total points the Panthers scored. (hint: let $b$ = the points the Buccaneers scored.)	<b>Answer:</b>
7. Use your answer in number 6 to determine the points the Panthers scored if the Buccaneers scored 21 points.	<b>Answer:</b>
8. Which <b>property</b> is shown here: $q(p + r) = (q \times p) + (q \times r)$	<b>Answer:</b>