Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: 1st, 3rd, or 4th Week of: December 2nd – 6th, 2013 **SHOW WORK FOR CREDIT!!!**

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| Monday Dec. 2nd | Tuesday Dec. 3rd | Wednesday Dec. 4th | Thursday Dec. 5th | Friday Dec. 6th  |
| 1) Which two sequences use the same variable expression to determine the next term?#1: $23, 27, 31, 35, 39, 43, …$#2: $38, 42, 46, 48, 52, 56, …$#3: $-10, -6, -2, 2, 6, …$#4: $44, 40, 36, 32, 28, 24, …$ | 1) Nate made the sequence shown using a rule.$$\frac{1}{9}, -\frac{1}{3},1, -3, …$$Which term below does not belong? Show work for credit.A) $9$B) $-27$C) $-81$D) $-243$ | 1) Which two sequences use the same variable expression to determine the next term?#1: $2, 4, 8, 16, 32, …$#2: $-3, 6, -12, 24, -48, …$#3: $\frac{1}{2},-1, 2, -4, 8, …$#4: $32, 16, 8, 4, 2, …$ | 1) Jessica made the sequence below using a rule.$$\frac{1}{2},\frac{1}{4},\frac{1}{8},\frac{1}{16},…$$Which term below does not belong? Show work for credit.A) $\frac{1}{32}$B) $\frac{1}{24}$C) $\frac{1}{64}$D) $\frac{1}{128}$ | 1) Look at the following sequence:$$81, 27, 9, 3, …$$Is the sequence arithmetic or geometric?What is the common difference or common ratio of the sequence? |
| 2) The table below shows Tia’s hours in class.What is the exact amount of time Tia spends in class? | 2) Dylan ran $\frac{4}{7}$ miles each day. How many miles did he run in $5$ days? | 2) Andrew walked $\frac{4}{5}$ mile on Tuesday and $\frac{9}{10}$ mile on Thursday. How many more miles did he walk on Thursday then Tuesday? | 2) Paula Deen’s recipe calls for $2\frac{1}{3}$ sticks of butter for each cake. Paula wants to make 5 cakes. How many sticks of butter will she need? | 2) Jonathon swam $\frac{2}{3}$ mile on Saturday and $\frac{3}{4}$ mile on Sunday. How many miles did he swim altogether? |
| 3) Four students simplified expressions and showed their work. Which student used the associative property of addition? Circle where it takes place.    | 3) Four students simplified expressions and showed their work. Which student used the commutative property of multiplication? Circle where it takes place.   | 3) Four students were asked to simplify an expression. Which student correctly applied the distributive property? | 3) Four students were asked to simplify an expression. Which student **incorrectly** applied the additive identity property? | 3) Raquon wrote these steps when simplifying an expression.Step 1: $13+\left(47+15\right)$Step 2: $\left(13+47\right)+15$Step 3: $60+15$Step 4: $75$Which property justifies step 1 to step 2? |
| 4) Complete the table and graph.  | 4) Complete the table and graph. | 4) Complete the table and graph. | 4) Complete the table and graph.  | 4) Complete the table and graph.  |