

Name: _____

Homework 1/21

Directions: Determine which rule best represents the expression the function machines used.

Input (v)	10	8	5	2	3
Output	13	11	8	5	6

- a. $V + 4$
- b. $V \times 5 - 4$
- c. $V + 3$
- d. $V \times 6 + 4$

Input (N)	3	6	7	10	5
Output	16	37	44	65	30

- a. $N \times 12 + 5$
- b. $N \times 7 - 7$
- c. $N \times 7 - 5$
- d. $N \times 7 + 8$

Directions: Complete the function table based on the rule.

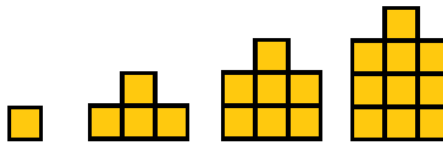
Input (P)	7		9		
Output	12	10		13	8

Rule: $P + 5$

Input (R)	2	5	4		7
Output	6			34	41

Rule: $R \times 7 - 8$

Directions: Complete the review.



5) Draw the next term in the pattern

6) Kayla's family eats 6.4 pounds of cereal each week. How many pounds of cereal will Kayla's family eat in a year? (52 weeks in a year) _____

7) Britney's milkshakes recipe calls for $\frac{5}{6}$ of a scoop of ice cream and Tyler's recipe calls for $\frac{1}{2}$ of a scoop. How many more scoops of ice cream are used in Britney's recipe than in Tyler's? _____

8) $5 - (8 \div 2) + 8 \times 3 =$ _____