

Grade 7 Math – Unit 1 Assignment 2 Review (Sections 1.3-1.8)

Name: _____

1. Write an expression for “Three decreased by a number” _____
2. In the expression “ $5n+4$ ”, what is the numerical coefficient? _____
3. Evaluate $3n-5$ for $n=2$. _____
4. Evaluate $10-2n$ for $n=3$. _____
5. Write an expression with a constant term of 2, a variable of x ,
and a numerical coefficient of 7. _____
6. Describe a situation that could be represented by the relation $5n+7$.

7. Write a relation for each input/output table. Use the relation to find the output if $n=11$.

Input	Output
1	5
2	9
3	13
4	17

Input	Output
1	1
2	6
3	11
4	16

8. Complete the input/output table below. What is the output if $n=10$?

Input	Output $6n - 5$
1	
2	
3	
4	

9. John orders a pizza. It costs \$10 for a 12 inch pizza with sauce and \$2 for every topping.

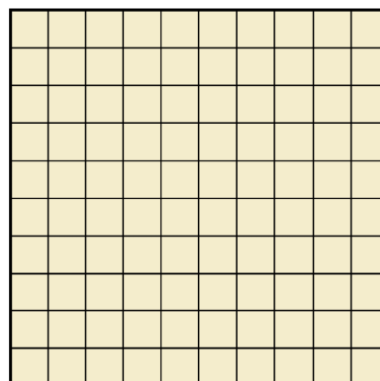
A. Write a relation to show how the total cost is related to the number of toppings.

B. Complete the table.

Number of Toppings	Total Cost
1	
2	
3	
4	

C. Graph the information.

Total
Cost



D. What is the total cost for 8 toppings?

E. If John has \$25, how many toppings can he get?

10. Use algebra tiles to solve the equation: $3x + 4 = 13$