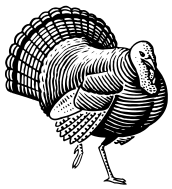
Name: _____

November Choice Board (Algebra)



DUE: NOVEMBER_____

Directions: You must do 2 of each assignment. Each is worth 50 points and together add up to a test grade for the month. Answer them on a separate sheet of paper showing all work and attach both sheets to this paper.

<table>
<tr>
<td>Look up the Vertical Line Test in your book on page 177. Complete the page.</td>
<td>Draw an example of negative, positive, and no correlation. Describe their shapes. Then define three word problems that would fit into each category.
Ex. The number of pets and the number of books you read. – NO correlation because the number of pets and books read have no effect on each other.</td>
<td>Identify how to find the slope using an example for the following:
• In a table
• In a graph
• In an equation
• In a word problem
• With two points</td>
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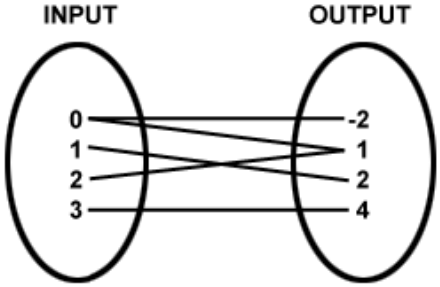
<tr>
<td>December is National Sandwich Month. How many different sandwiches can you make with the following center ingredients: (you do not have to use them all each time)
• Tomatoes
• Lettuce
• Pickles
• Ham
• Cheese</td>
<td>Define and show an example of:
• Relation
• Function
• Domain
• Range
• Independent variable
• Dependent Variable
• Scatter plot</td>
<td>Solve the following for each letter:
• Solve for a; 3a + b = 15
• Solve for b; 3a + b = 15
• Solve for x; 6x + 4y = 34
• Solve for y; 6x + 4y = 34
• Solve for r; D=rt
• Solve for t; D=rt
• Solve for L; P = 2L + 2W
• Solve for W; P = 2L + 2W
• Solve for L; V = LWH
• Solve for H; V = LWH</td>
</tr>
<tr>
<td>Create 10 sequences that consist of 5 or more numbers and are missing three.
On the back, write the rule, and the three missing sequences.</td>
<td colspan="2">1. Explain how we know whether or not a relation is a function. Draw a mapping diagram, graph, and table for the relation and then determine whether {(3, - 1), (6, - 1),(3, - 2),(6, - 2)} is a function or not.
 

2. Tell whether or not the relation is a function. Draw a table, graph, and write the ordered pairs to show the data in two different manners.</td>
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