

Monday	Tuesday	Wednesday								
<p>1. Determine whether each situation is linear or non linear. If it is linear, write an appropriate equation to represent it.</p> <ol style="list-style-type: none"> A large pizza cost \$5 plus \$0.50 for each additional topping The population of algae in the pond is 50 and doubles every week. A car has 30 gallons of gas in it and decreases by 3 gallons every 10 miles. 	<p>1. Write the equation of the line</p>	<p>Given the table:</p> <table border="1" data-bbox="1062 262 1507 495"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>-2</td> <td>8</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>2</td> <td>-4</td> </tr> </tbody> </table> <p>1. Write the equation of the line.</p>	x	y	-2	8	0	2	2	-4
x	y									
-2	8									
0	2									
2	-4									
<p>Given the table:</p> <table border="1" data-bbox="107 804 555 1037"> <thead> <tr> <th>x</th> <th>$2x + k$</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> </tr> <tr> <td>3</td> <td>16</td> </tr> <tr> <td>6</td> <td>22</td> </tr> </tbody> </table> <p>2. What is the value of k?</p>	x	$2x + k$	0	10	3	16	6	22	<p>2. Determine if each equation represents a linear or nonlinear function. For the linear functions, identify the slope and y-intercept</p> <ol style="list-style-type: none"> $4x + 8y = 16$ $x^2 + 2x = 6$ $Xy = 9$ $Y = 2x - 8$ 	<p>2. Match the following values to the appropriate location on the numberline.</p> <p>A. $\sqrt{8}$ B. $\sqrt{25}$ C. $\sqrt{12}$ D. $\sqrt{81}$</p>
x	$2x + k$									
0	10									
3	16									
6	22									
<p>3. The set of ordered pairs $\{(3,6), (x,-2), (5,9), (-4,7)\}$ is a function. List the values that can not be x in order for this statement to be true.</p>	<p>3. Mrs. Marin earns \$195 for tutoring 5 students and earns \$440 for tutoring 12 students. Write an equation that represents her total earnings (y) for any number of students (x)</p>	<p>3. Solve the equation $4(x + 5) + 6 = 2(2x + 3)$</p>								
<p>4. Three times a number plus four equals 5 times the same number plus eight. What is the number?</p>	<p>4. What is the approximate value of $\sqrt{80} - \sqrt{5}$</p>	<p>4. Write the equation of a line with a y-intercept of -5 and a slope of 3.</p>								
<p>5. The perimeter of the rectangle above is 42 in. What is the value of x?</p>	<p>Consumer Demand of Televisions based on a Given Price</p> <p>5. Use the graph to complete the statement The initial value is _____ and the price of TV's increase or decrease (circle one) by _____ per 7 televisions.</p>	<p>5. Use the graph to complete the statement. (fill in the blank or circle the correct bold term) John walks or runs to the school 10 miles from his house. He stays at the school for _____ min. His mom picks him up from school and drives to visit his aunt that is closer or further away from his house. After a 20 minute visit they leave to head home. They drive at a slower, faster or same rate, until they arrive home.</p>								

