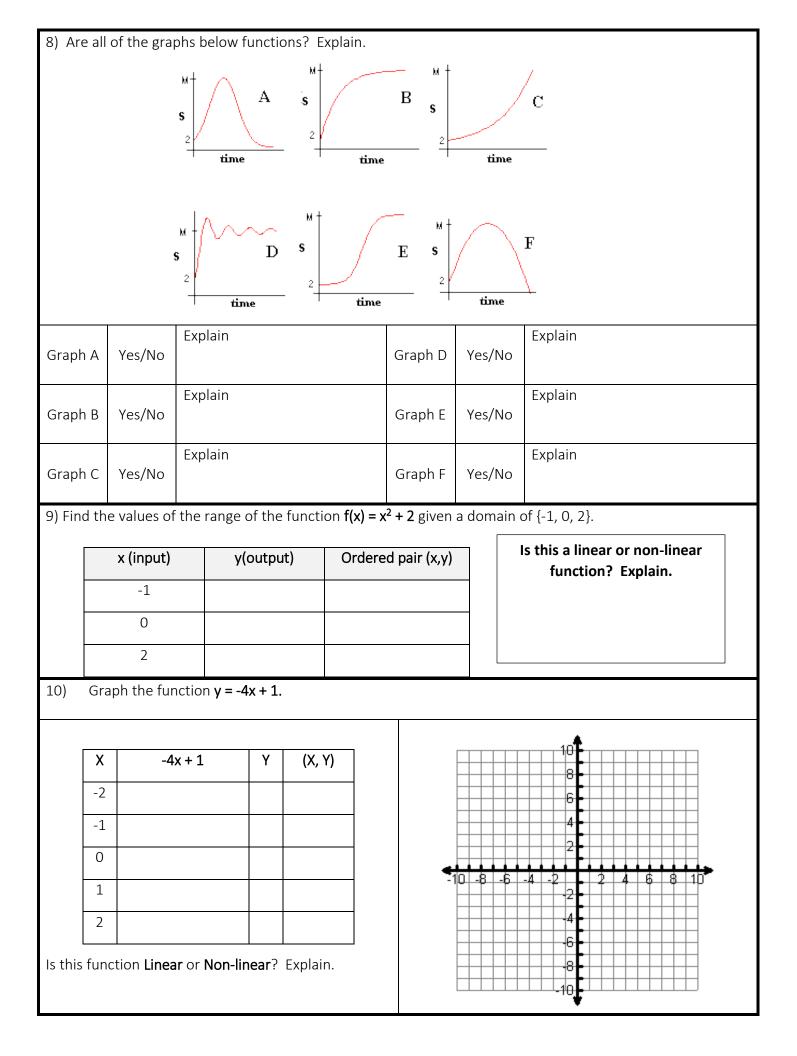
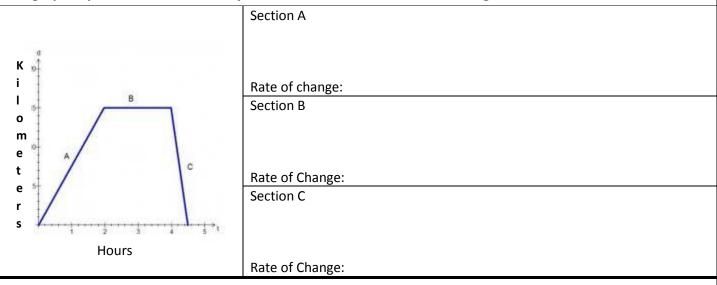
Unit 9 Functions Review

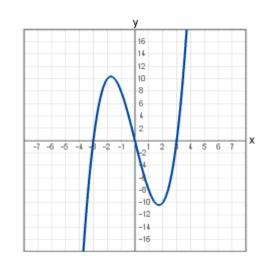
Identify the input and output values of the functions below:							
1) {(-3, 2), (4, 1), (-1, 5), (1, 6), (2, 3)}	2) x y Input/Domain					
Input/Domain		1 4					
Output/Range		2 2 Output/Range 3 -6					
Determine if each relation is a 3) {(6, 7), (6, -2), (2, 6), (-3, -2)}	Is this a function? (circle one)	If you circled no , explain why it is not a function:					
[(0, ,), (0, 2), (2, 0), (3, 2)]							
4) y	Yes No Is this a function? (circle one)	If you circled no , explain why it is not a function:					
1 4 2 2 3 -6 4 1	Yes No						
5) x y -1 5 5 2 -2 -3 -1 2	Is this a function? (circle one) Yes No	If you circled no , explain why it is not a function:					
6) -3 -2 -1 1 -1 -1 -2	Is this a function? (circle one) Yes No	If you circled no , explain why it is not a function:					
7)	Is this a function? (circle one) Yes No	If you circled no , explain why it is not a function:					



11) John cycles from his home to the shops. The shops are situated 15 km from his home and he cycles at a constant speed. After John has completed all of his shopping he returns home cycling back at a faster, constant speed. The graph below shows his journey to the shops and back. **Explain what each section of the graph represents from the story above and what John's rate of change is.**



12) Describe the graph of the function between x = 2 and x = 5? Use words such as increasing, decreasing, linear, or non-linear.



Description:

What is a Function?	Writing & evaluating functions.	Function tables & graphs	Function rules	Functions on the graphing calculator		