Math 11Finding Average Rate of Change from Equations					
Example:	y = 2x - 3	Find the average	ge rate of change fro	5m x = 1 to x = 3.	
Solution:	When $x = 1$:	When $x = 3$:	Coordinates are:	$(x_1, y_1) = (1, -1)$	$AROC = \frac{y_2 - y_1}{x_2 - x_1}$
	y = 2(1) - 3	y = 2(3) - 3		$(x_2, y_2) = (3, 3)$	$=\frac{3-(-1)}{3-1}$
	y = 2 - 3	y = 6 - 3			$=\frac{4}{2}$
	y = -1	y = 3			= 2
1. y = 2	$x^{2} + 1$	Find the average rate of	of change from x =	-1 to x = 3.	
2. y =	(x + 1)(x – 2)	Find the average rate of	of change from x =	1 to $x = 3$.	
3. h = -	$-2t^2 + 6t$	Find the average rate of a) $t = 1$ to $t = 3$	of change from:	b) $t = 0$ to $t = 2$	
4. C =	-3A + 5	Find the average rate of	of change from A =	1 to A = 3.	
5. P =	10h + 3	Find the average rate of	of change from h =	0 to $h = 8$.	
6. h = -	$-2t^2 + 3t + 1$	Find the average rate of a) $t = 3$ to $t = 5$	of change from:	b) $t = 0$ to $t = 2$	
7. y = :	$x^{3} + 2$	Find the average rate of $x = 0$ to $x = 2$	of change from:	b) $x = -1$ to $x = 1$	
8. y =	$\frac{Absolute}{ x } + 2$	Find the average rate of	of change from $x =$	-3 to x = -1.	