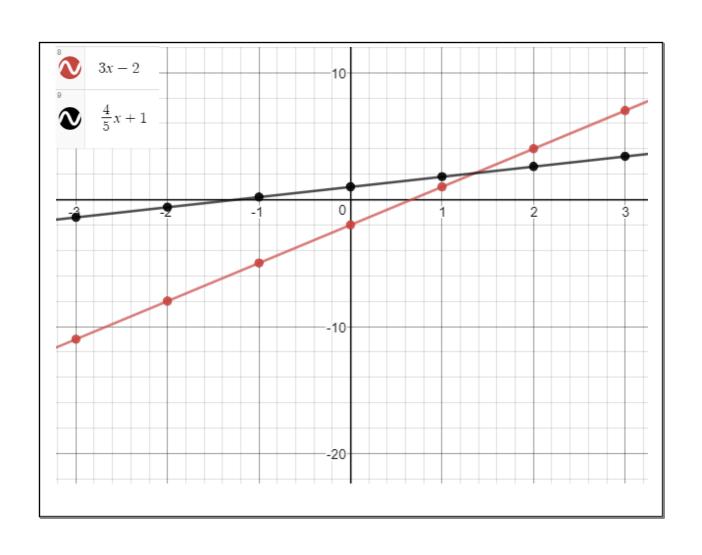
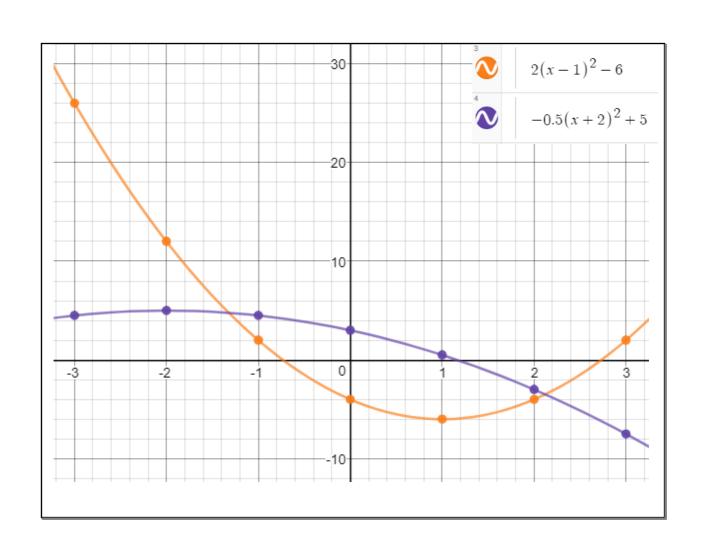


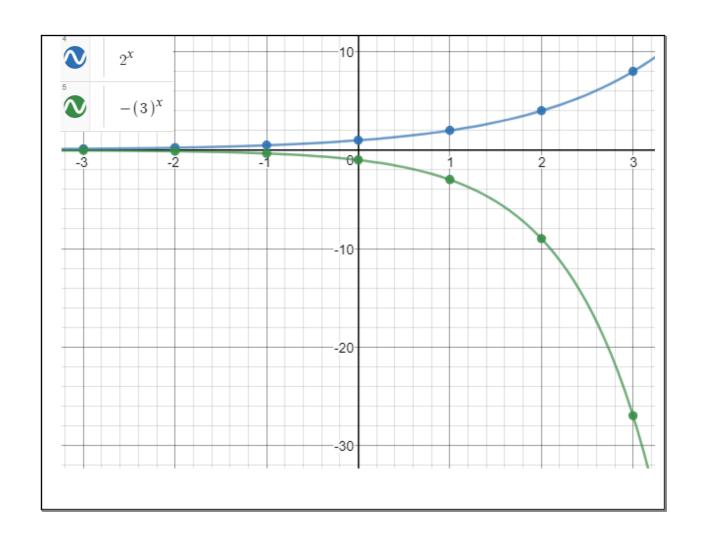
		y = 3x - 2		
$x \mid y$	1st diff	2nd diff	3rd diff	4th diff
-3 -11				
-2 -8	3			
-1 -5	3		A //	SONCO C
0 -2	3	, \$1	- distre	JAKCI,
1 1	7		OCITI	Thatlant
3 7	3 r	'	de	
3 7			00 -	ICAR
		$y = \frac{4}{5}x + 1$	for Lin	functions.
x y	1st diff	2nd diff	3rd diff	4th diff
-3 -1.8				
-2 -1.0	(% 0			
<u>−1</u> つ.2	0.8			
0 /.0	0.8			
0 1.0	0.B			
0 1.0 1 1.8 2 2.6	0.8 0.8			
0 1.0	0.B			
0 1.0 1 1.8 2 2.6	0.8 0.8			



, .		•			
			$y = 2(x-1)^2$	- 6	
x	у	1st diff	2nd diff	3rd diff	4th diff
-3 -2	26	-14		210 1	((
-1	2	-10	4	2 4	Herences
1	-4	<u>-6</u>	4	060 00	nstant
2	-4	2	4	COU	ADRATIC
3	2	6	4	100 00	L
			0.5/ . 0	fur	nctions.
			y = -0.5(x + 2)* + 5	
χ	у	1st diff	2nd diff	3rd diff	4th diff
-3	4.5				
-2	5	0.5			
-1	4.5	-0.5	-1		
0	3	-1.5	-1		
1	0.5	-2.5	- 1		
2	-3	-3.5	-1		
3	-25	-4.5	_ 1		



			$y = 2^x$		
X	у	1st diff	2nd diff	3rd diff	4th diff
-3	0./25				
-2	0.25	0.125			
-1	0.5	0.25	0.125		
0	1	0.5	0.25	0.125	
1	2	1	0.5	0.25	0.125
2	4	2	1	0.5	0.25
3	8	4	2		0.5
	lo con	stant di	$y = -(3)^x$	for EXPO	HOWEVER,
х	у	1st diff	2nd diff	3rd diff	4th diff
-3	-1/27	2 4		then do	have a
-2	-1/9	-2/27	- (/ / -	COSTO	PATIO
-1	- 1/3	- 49	-4/27	-2/	- N1110
0	~1	- ² /3	4/0	- 6/27	-16/27
1	- <u>3</u>	- 4	- 773	-0/9	-16/2
3	-27	-B	- 4	- 8	-16/2
3	-27	-10	16	_ <u>_</u>	10/3



	Equation	Graph	Table of Values
Linear	All exporents have a degree of 1	•	1ST diffs ore constant
Quadratic	Independent Variable has degree of 2	Parabola V	2 ND diffs are constant
Exponential	Independent Variable is the exponent	Slow to rapid increws or decrease	y-values change by a common ratio/
			Jucia

Function	Graph	Description
Linear	101	- straight line
	-10 -8 -5 -4 -2 2 4 6 8 10 -4 6	- can go up or down
	-10	- the steepness of the line is called slope
	10 6 4 2 2 4 8 10 4 4	- write other descriptions
	-10	

