Parent Function Name: Absolute Value	Analysis of the Parent Function:
Parent Function equation:	Domain:
Table of values for parent function:	Range:
x -2 -1 0 1 2	Where Increasing:
<u> </u>	Where Decreasing:
Graph of Parent function:	Where Positive:
5	Where Negative:
3	Absolute Min/Max Location:
2	y-intercept:
5 -4 -3 -2 -1 1 2 3 4 5 x	x-intercept:
-1	Average Rate of change from $x = 1$ to $x = 2$:
-3	
-4	
-5	Analysis of the Transformed Equation:
General Transformation equation:	Domain:
	Range:
Transformed equation: $y = -2 x - 1 + 3$	Where Increasing:
Verbal Description of transformation:	Where Decreasing:
	•
Graph of the transformed equation:	Where Positive:
♠ y	Where Negative:
5	Absolute Min/Max Location:
3	y-intercept:
	x-intercept:
	Average Rate of change from $x = 1$ to $x = 2$:
5 -4 -3 -2 -1 1 2 3 4 5 x	

-3 -4