

Chart to help with transformations of function graphs

Math I – Name _____
 Block _____ Math I Teacher _____

How different transformations affect function graphs:

vertical shifts, shrinks, stretches, reflection across x-axis, reflection across y-axis, no transformation happens

Describe what happens when you...	Linear functions	Cubic functions	Quadratic functions	Absolute Value functions	Radical (Square Root) functions
Parent function equation					
Draw picture of parent graph of function					
Add a constant... Write new equation Draw new graph					
Subtract a constant... Write new equation Draw new graph					
Multiply variable by a positive number greater than 1... Write new equation Draw new graph					
Multiply variable by a positive number less than 1... Write new equation Draw new graph					
Multiply variable by a negative number... Write new equation Draw new graph					