Motha grab tookit Quiz Wednesday on Function transformations  $\Rightarrow +/-/x$  polynomials. Created with Doceric

y = -F(x)	y=f(-x)
y = f(x) + C	y = f(x) - C
y=f(xtC)	y = f(x-c)
$y = C \cdot f(x)$	y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(€x) y=f(-x) y=

(x, -y)	function is reflected across the x-axis	reflected across l y-axis	(-x,y)
(x, y+c)	the graph of the function is shifted up c units	down c units	(x,y-c)
(x-c,y)	C units to the left	Cunits to	(x+c, y)
(x, c·y)	C>1 vertically stretch-the graph 0 < C < 1 vertically Compresses graph	C>1 honzontally compress graph OZC CITHER BENTAPLY Stretch graph	Cert W

E. 
$$3x + 8 + 4x - 1 + 5x + 2$$

S.  $13x + 11 - 9$ 

S.  $13x + 11 - 9x + 9x + 4$ 

13x + 11 - 9x - 4

E.  $3x (8x) + 3x(-5)$ 
 $3x (8x) + 3x(-5)$ 
 $34x^2 - 15x$ 







