

Function	Image	Type of transformation
$y = f(x)$		The original function was created in all graphics with red color and was obtained from the following expression. $f(x) = -0.2(x + 1)(x - 5)(x - 2)$
$y = f(x) + a$		Moves it up or down.
$y = f(x - a)$		Moves it left or right.
$y = af(x)$		Stretches or compresses it in the y-direction.
$y = f(ax)$		Stretches or compresses it in the x-direction.
$y = -f(x)$		Reflects it about x-axis.
$y = f(-x)$		Reflects it about y-axis.
$y = f(x) $		The points of zero or positive ordinate remain and the remaining are obtained from the negative ordinate points on a x-axis reflection.
$y = f(x)$		The points of zero or positive abscissa remain and the remaining are obtained from the negative abscissa points on a y-axis reflection.