Left 4	Reflection (x-axis), Down 4
Stretch, Right 2	Compression, Up 2
Reflection (x-axis), Up 4	Refection(x-axis), Stretch, Left 2
$y = \|x + 4\|$	$y = -\|x\| - 4$
$y = 4\|x - 2\|$	$y = \frac{2}{3}\|x\| + 2$
$y = -\|x\| + 4$	$y = -7\|x + 2\|$
$y = (x + 4)^2$	$y = -(x)^2 - 4$
$y = 5(x - 2)^4$	$y = \frac{1}{3}x^4 + 2$
$y = -x^4 + 4$	$y = -3(x + 2)^3$
$y = \sqrt{x + 4}$	$y = -\sqrt{x} - 4$
$y = 3\sqrt{x - 2}$	$y = \frac{1}{2}\sqrt{x} + 2$
$y = -\sqrt{x} + 4$	$y = -2\sqrt{x + 2}$
$y = 2^{x+4}$	$y = -3^x - 4$
$y = \frac{1}{3} \cdot 2^x + 2$	$y = -2\sqrt{x + 2}$
$y = -4^x + 4$	$y = -2 \cdot 4^{x+2}$

Reflection (x-axis), Down 4

Left 4

Stretch, Left 2

$y = -|x| - 4$

$y = |x + 4|$

$y = -(x)^2 - 4$

$y = (x + 4)^2$

$y = -\sqrt{x} - 4$

$y = \sqrt{x + 4}$

$y = -\sqrt{x} + 4$

$y = 2^{x+4}$

$y = -3^x - 4$

Refection(x-axis), Stretch, Left 2

Reflection (x-axis), Up 4

$y = -2\sqrt{x + 2}$

$y = -|x| + 4$

$y = -2 \cdot 4^{x+2}$

$y = -x^4 + 4$

$y = -7|x + 2|$

$y = -4^x + 4$

$y = -3(x + 2)^3$

$y = -2\sqrt{x + 2}$

Stretch, Right 2

$y = 4|x - 2|$

$y = 5(x - 2)^4$

$y = 3\sqrt{x - 2}$

Compression, Up 2

$y = \frac{1}{3} \cdot 2^x + 2$

$y = \frac{1}{3}x^4 + 2$

$y = \frac{2}{3}|x| + 2$

$y = \frac{1}{2}\sqrt{x} + 2$