|  |  |
| --- | --- |
| **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 = $\frac{1}{3}$ x4 + 2 |
| y = -x4 + 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 = $\frac{1}{3}∙ 2^{x}+2$ | y = $-2\sqrt{x+2}$ |
| y = $-4^{x}+4$ | y = $-2∙4^{x+2}$ |