



## Information to remember about transformations....

## x's lie

any change to the domain (x's) is opposite of what appears in the equation









$$y = \frac{1}{2}(x)^{3}$$

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

$$y, shrink \frac{1}{2}$$

$$y = 2^{3x}$$

$$y = |\frac{x}{4}|$$

$$y = \frac{3}{x}$$

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$$y = \frac{3 \log_{2} x}{\sqrt{3tre3 - 3}}$$

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Find the equation of the reflection over the x-axis:

$$y = 3\left|x - 7\right| + 4$$

September 07, 2012

