11. From the 1990 census, the population of Tea was 786. In the 2000 census, the population had grown to 1742.

$$\frac{1742}{786} = \frac{786(6)}{786}$$

$$1.083 \% \rightarrow (1.083)^{x}$$

$$2007 \rightarrow \times = 17 \qquad \text{Y} = 786(1.083)^{17} \\ 2010 \rightarrow \times = 20 \qquad \text{Y} = 786(1.083)^{20} \\ 3873 \qquad \text{Y} = 3873$$

$$786(1.08)^{17} = 2908$$

$$786(1.08)^{20} = 3664$$

$$|0\rangle^{4x+1} > 10^{3(x-3)}$$

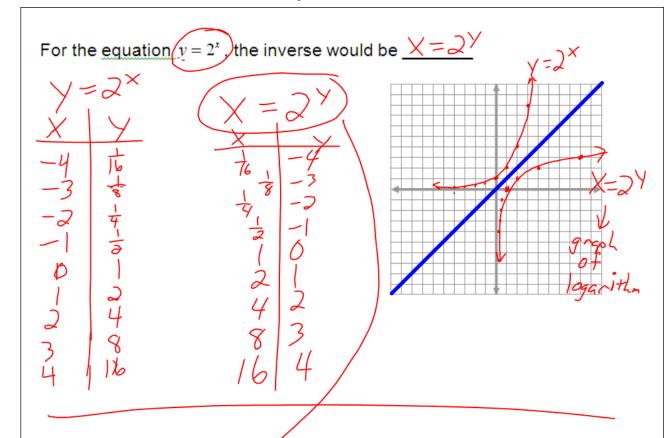
$$|0\rangle^{4x+1} > 2x-4$$

$$|0\rangle^{2x+1} > -4$$

$$|0\rangle^{2x+1} > -4$$

$$|0\rangle^{2x+1} > 4$$

$$|0\rangle^{2$$



To convert from exponential form to logarithmic form and vice versa:

<u>Exponential form</u>

<u>Logarithmic form</u> 

og

logbX= y log base b of X equals y