1a. Show that $f(x)=\frac{3-x}{1-x}$ is its own inverse.
1 b . What does the result in part (a) tell you about the graph of $f$.
2. Let $f(x)=2 x^{3}+5 x+3$. Find $x$ if $f^{-1}(x)=1$.
3. Graph $y=2^{2 x-1}$ and $y=\frac{4^{x}}{2}$. Any observations? Explain why "this" happened?

