

2A. 2 (B) graph and write the inverse of a function using notation such as $f^{-1}(x)$;
2A. 2 (C) describe and analyze the relationship between a function and its inverse (quadratic and square root, logarithmic and exponential), including the restriction(s) on domain, which will restrict its range;

We will be able to determine the inverse of an equation.

WHAT WE NEED:

- TI - 84
- VLT
- HLT

I WILL BE ABLE TO COMPLETE MY HOMEWORK GIVING THE

- Graph of the equation





## 1 ロ 뭉

$$
\begin{aligned}
& y=7-5 x \\
& x=7-5 y \\
& x-7=-5 y \\
& -\frac{1}{5} x+\frac{7}{5}=y \\
& y=-\frac{1}{5} x+\frac{7}{5}
\end{aligned}
$$

$$
\begin{array}{lll}
y=8 x^{2}-6 & \text { EVEN } & \\
x=8 y^{2}-6 & \text { No, FAILS VLT } & y=x^{2}+1 \\
\frac{x+6}{8}=\frac{1}{8} x+\frac{3}{4} & y= \pm \sqrt{x-1} \\
y^{2}=\frac{1}{8} x+\frac{3}{4} &
\end{array}
$$

$$
\begin{aligned}
& y=x^{2}+1 \\
& y= \pm \sqrt{x-1}
\end{aligned}
$$



$$
\begin{aligned}
& y=x^{3} \\
& x=y^{3} \int O D D \\
& y=\sqrt[3]{x}
\end{aligned}
$$



