## 11-3

I can graph the inverse functions of

$$
f(x)=x^{2} \text { and } f(x)=x^{3}
$$

Find the inverse algebraically then graph it.



Domain $[0, \infty)$

$f(x)=x^{2}$

| x | $\mathrm{f}(\mathrm{x})$ |
| :---: | :---: |
| -3 | 9 |
| -2 | 4 |
| -1 | 1 |
| 0 | 0 |
| 1 | 1 |
| 2 | 4 |




Solve for the inverse algebraically then graph it.

$$
f(x)=x^{3}
$$



Task Graphing Inverse Functions

Check for understanding
\#1 Graph the function

$$
f(x)=2 \sqrt[3]{x-2}+5
$$


\#2 Write an equation for the graph



