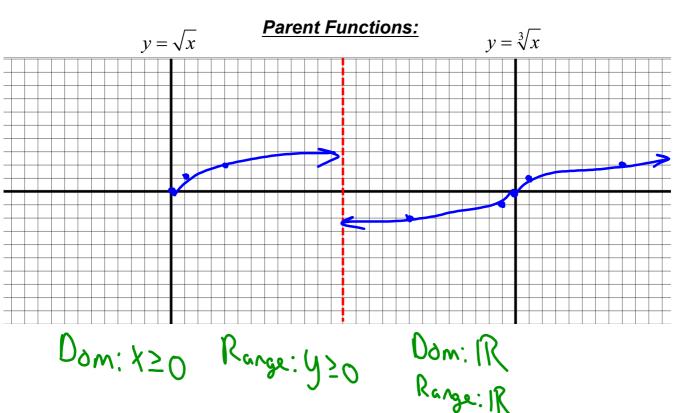
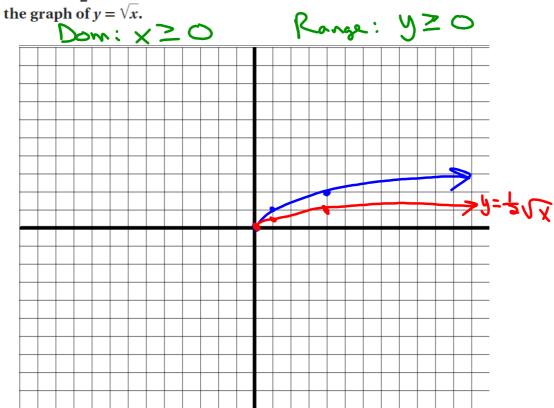
6.5 Graph Square Root and Cube Root Functions



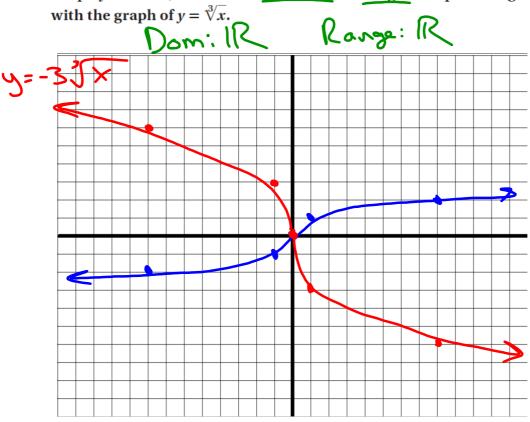
EXAMPLE 1 Graph a square root function

Graph $y = \frac{1}{2}\sqrt{x}$, and state the <u>domain</u> and <u>range</u>. Compare the graph with



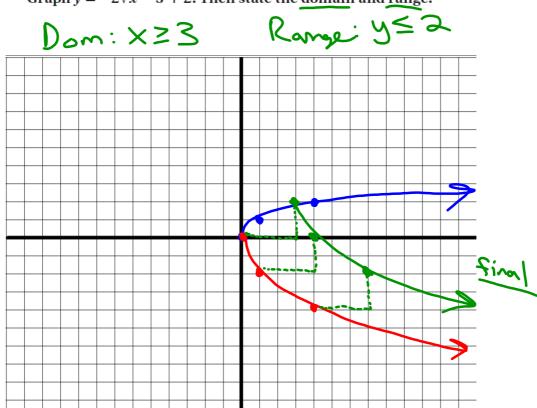
EXAMPLE 2 Graph a cube root function

Graph $y = -3\sqrt[3]{x}$, and state the domain and range. Compare the graph



EXAMPLE 4 Graph a translated square root function

Graph $y = -2\sqrt{x-3} + 2$. Then state the domain and range.



EXAMPLE 5 Graph a translated cube root function

Graph $y = 3\sqrt[3]{x+4} - 1$. Then state the domain and range.

