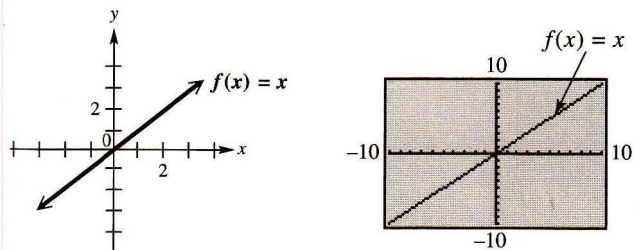


FUNCTION CAPSULES

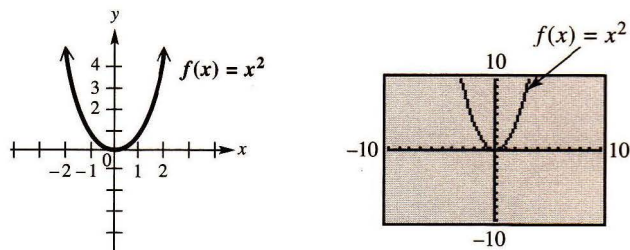
IDENTITY FUNCTION $f(x) = x$

Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$



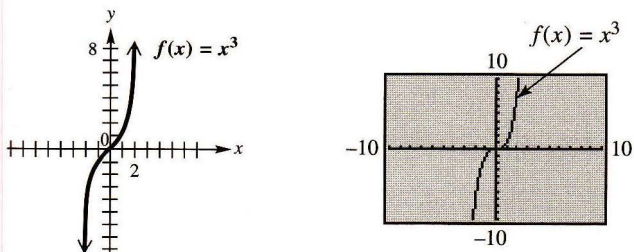
SQUARING FUNCTION $f(x) = x^2$

Domain: $(-\infty, \infty)$ Range: $[0, \infty)$



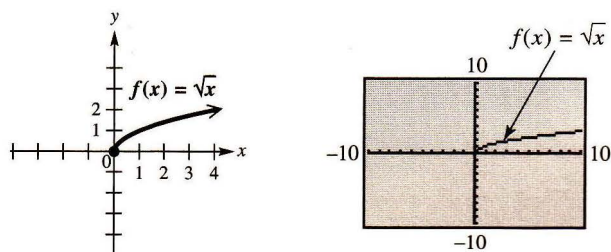
CUBING FUNCTION $f(x) = x^3$

Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$



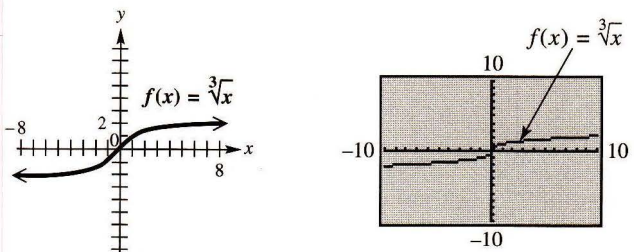
SQUARE ROOT FUNCTION $f(x) = \sqrt{x}$

Domain: $[0, \infty)$ Range: $[0, \infty)$



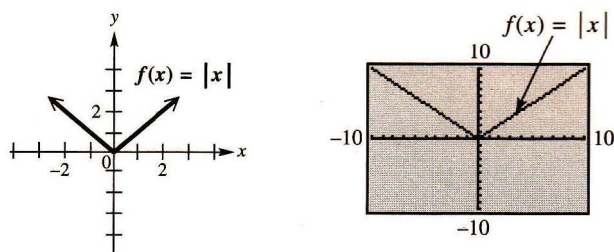
CUBE ROOT FUNCTION $f(x) = \sqrt[3]{x}$

Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$



ABSOLUTE VALUE FUNCTION $f(x) = |x|$

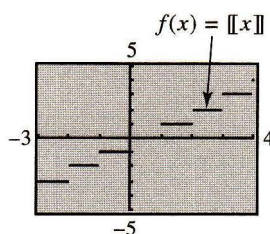
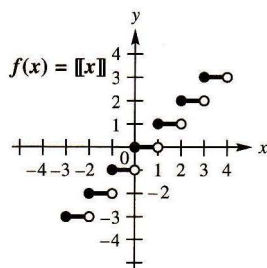
Domain: $(-\infty, \infty)$ Range: $[0, \infty)$



GREATEST INTEGER FUNCTION $f(x) = \lceil x \rceil$

Domain: $(-\infty, \infty)$

Range: $\{x \mid x \text{ is an integer}\} = \{\dots, -3, -2, -1, 0, 1, 2, 3, \dots\}$



Dot mode