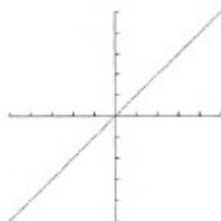


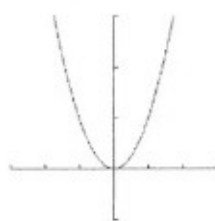
Catalogue of Parent Functions

You should memorize (Domain and Ranges, too!) these so that you can quickly and easily obtain transformed graphs

$$f(x) = x$$



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



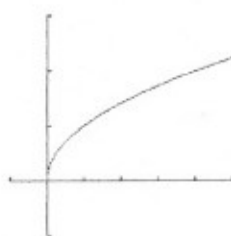
$$f(x) = x^3$$



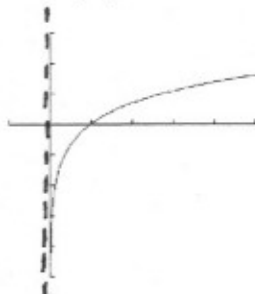
$$f(x) = x^{1/3}$$



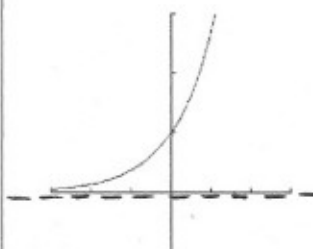
$$f(x) = \sqrt{x}$$



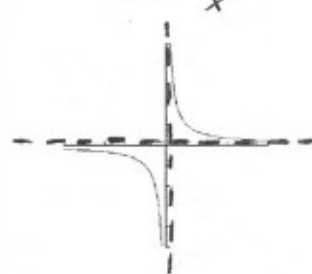
$$f(x) = \ln x$$



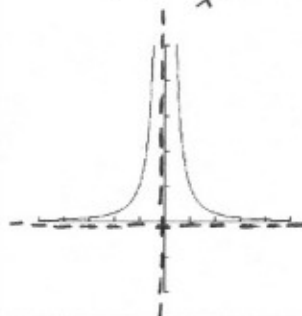
$$f(x) = e^x$$



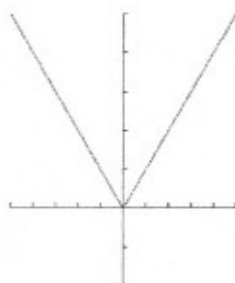
$$f(x) = \frac{1}{x}$$



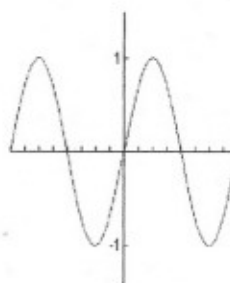
$$f(x) = \frac{1}{x^2}$$



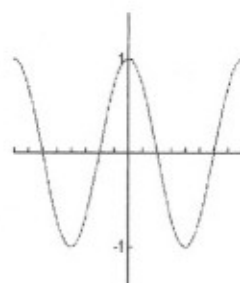
$$f(x) = |x|$$



$$f(x) = \sin x$$



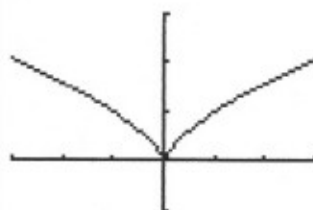
$$f(x) = \cos x$$



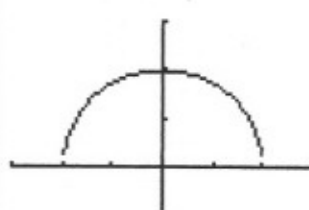
$$f(x) = \tan x$$



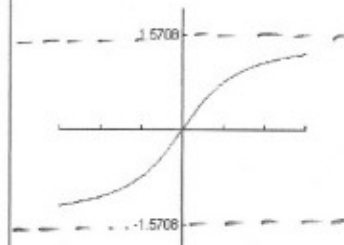
$$f(x) = x^{2/3}$$



$$f(x) = \sqrt{a^2 - x^2}$$



$$f(x) = \text{Arctan } x$$



$$f(x) = \llbracket x \rrbracket$$

