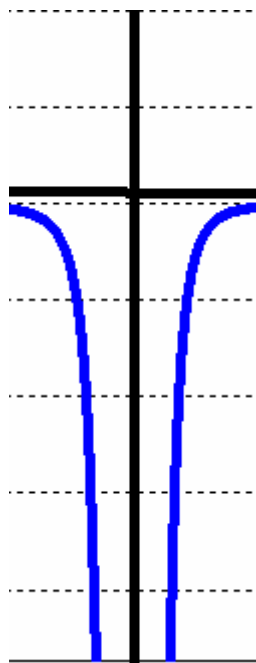
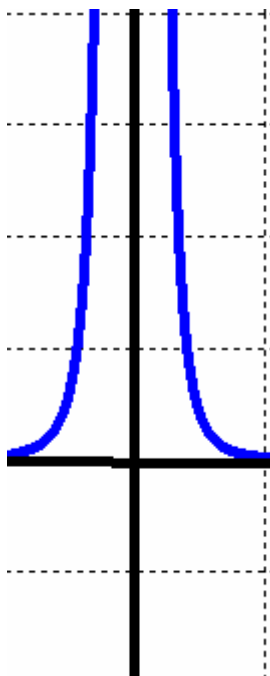
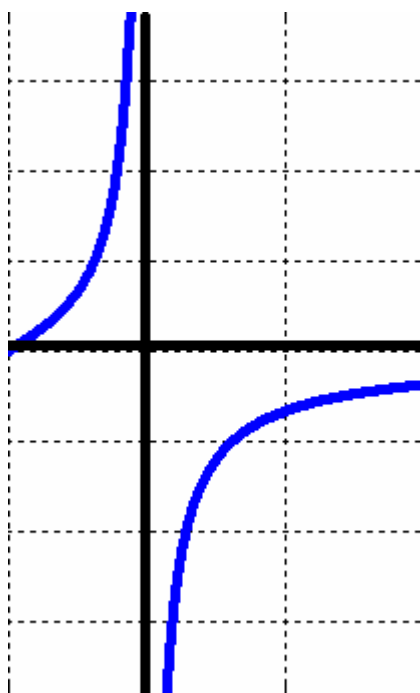
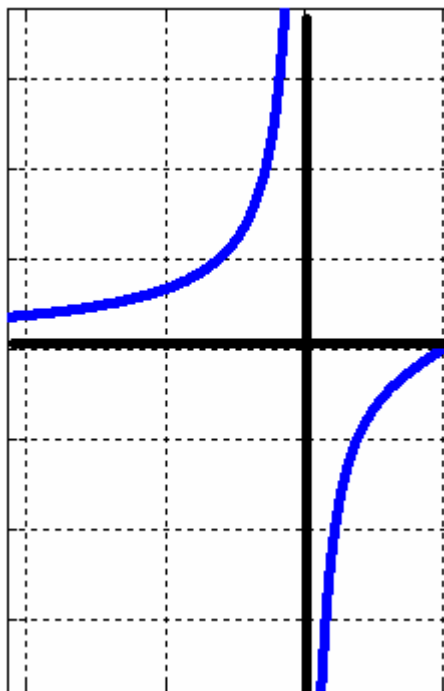


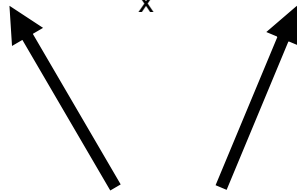
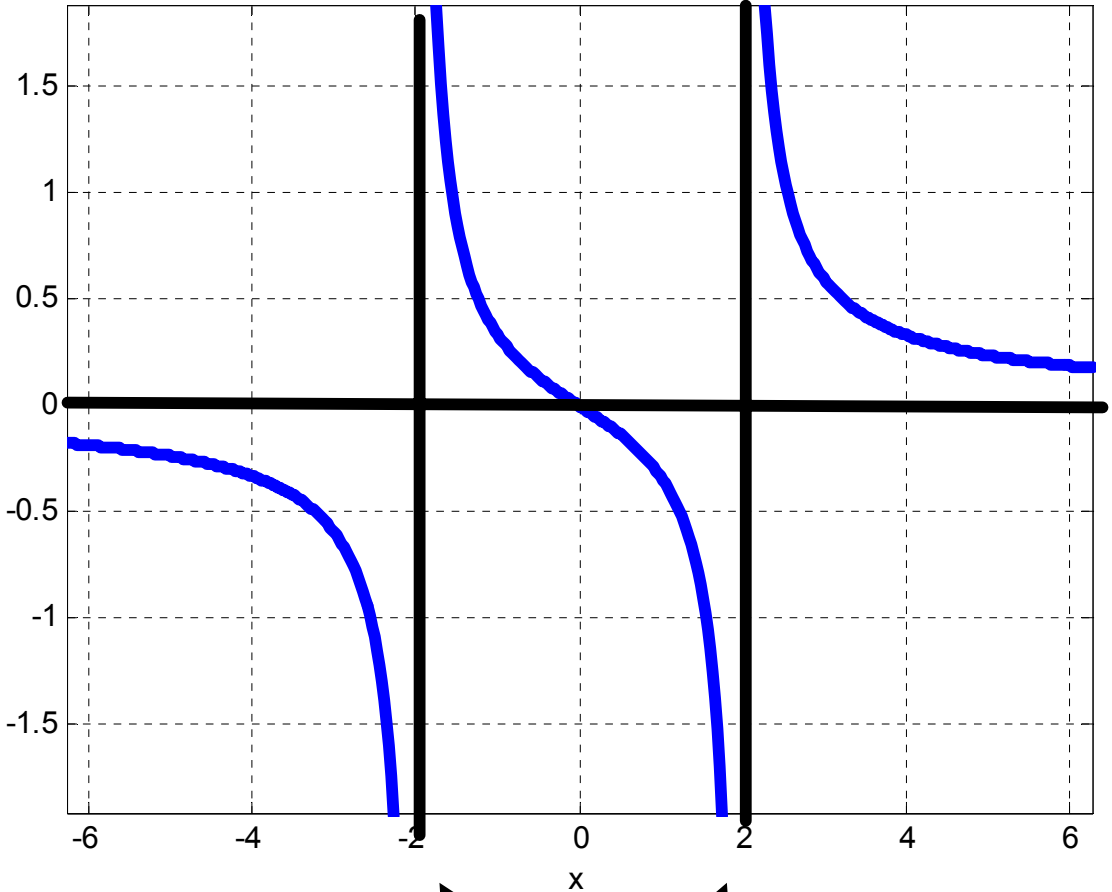
Even Exponents : (same infinity)



Odd Exponents : (different infinity)

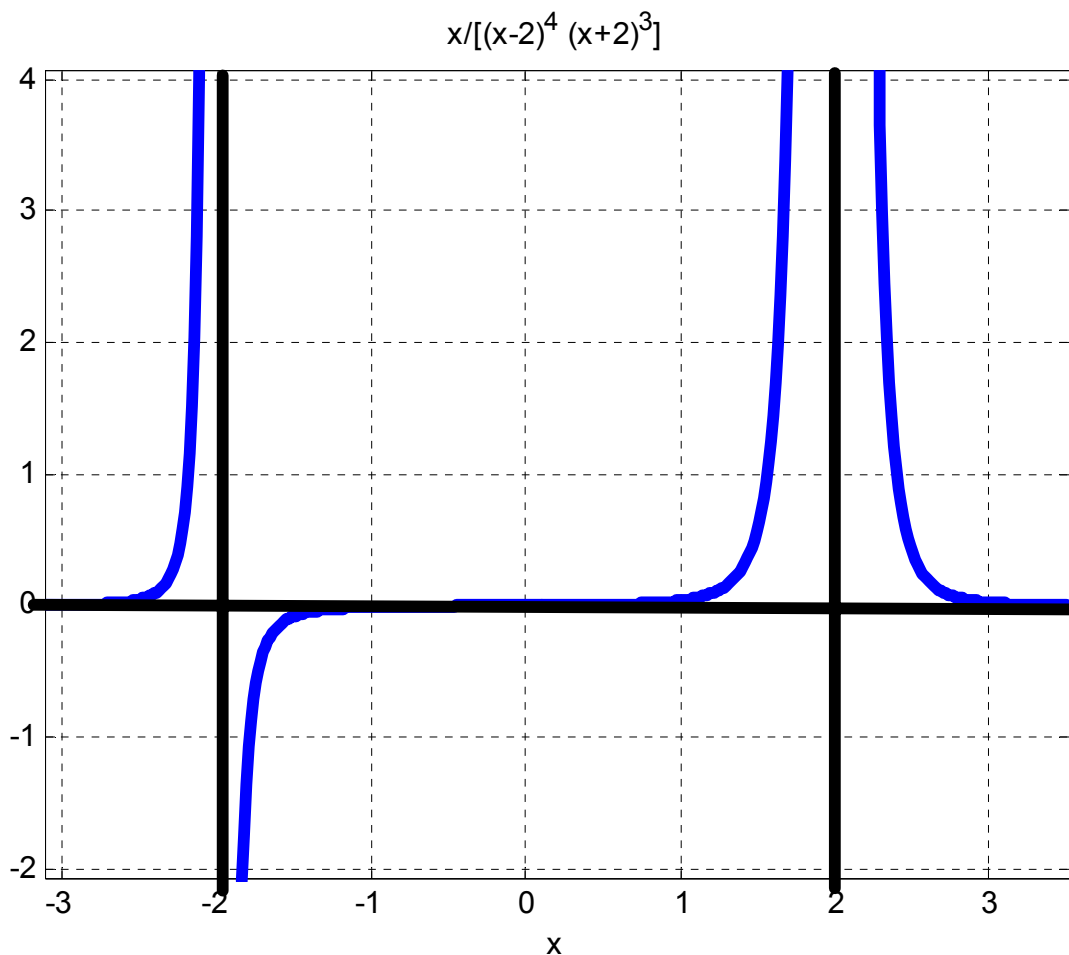


$x/[(x-2)(x+2)]$



odd

$$f(x) = \frac{x}{(x-2)^3(x+2)^5}$$

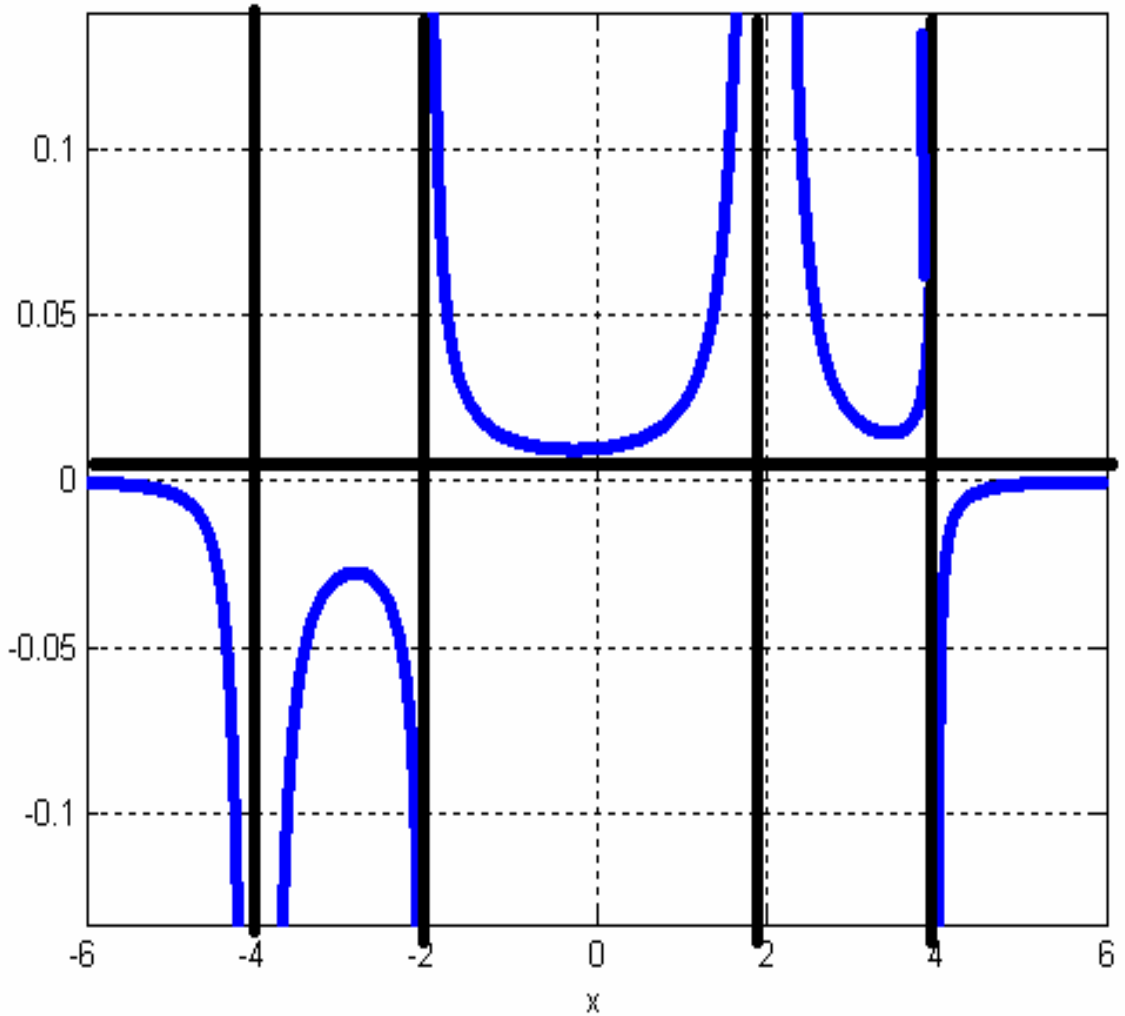


↑
odd

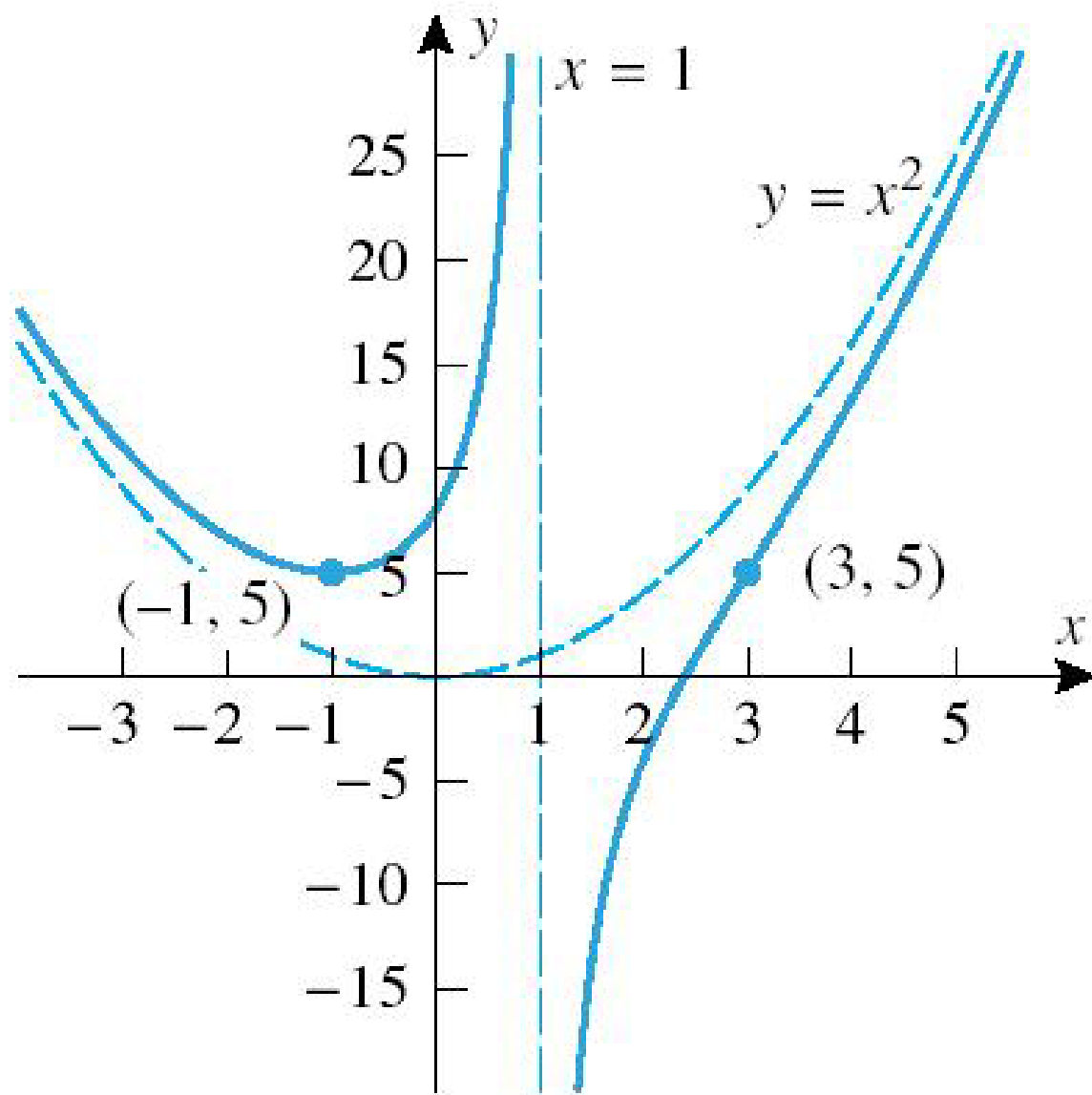
↑
Even

$$f(x) = \frac{x}{(x+2)^3 (x-2)^4}$$

$$-5/[(x+4)^2 (x+2) (x-2)^2 (x-4)]$$



$$f(x) = \frac{-5}{(x+4)^2 (x+2) (x-2)^2 (x-4)}$$



$$y = \frac{x^3 - x^2 - 8}{x - 1}$$

$$\lim_{x \rightarrow +\infty} f(x) = x^2$$

$$\lim_{x \rightarrow -\infty} f(x) = x^2$$