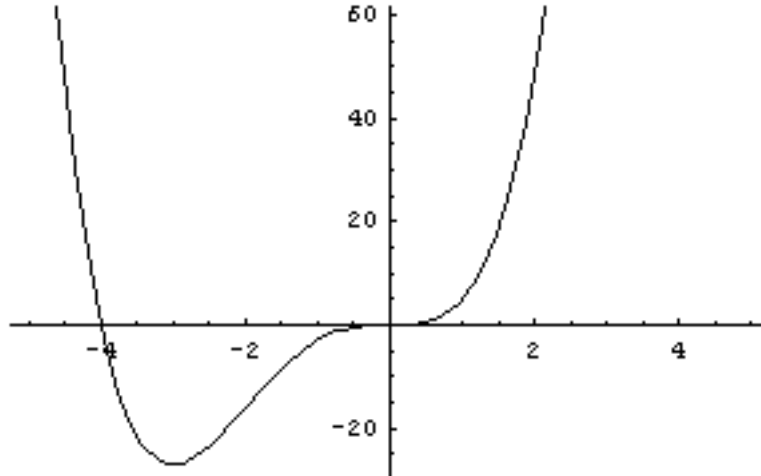
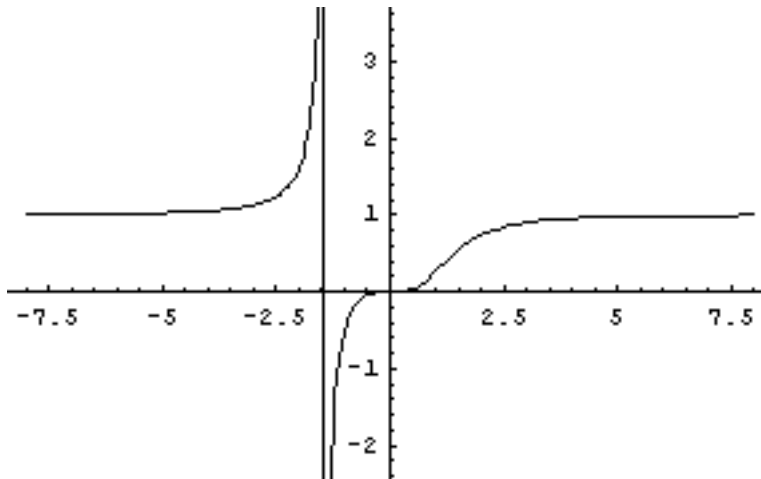


1

1. (a) $f(x) = x^4 + 3x^3$

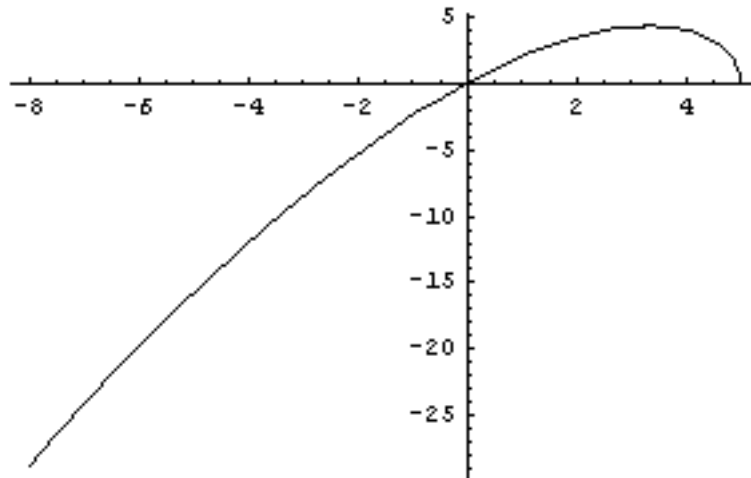


(b) $f(x) = \frac{x^3}{x^3+3}$



¹Please email all corrections and suggestions to these solutions to htor@metu.edu.tr.
All solutions are available on the web at the url <http://www.metu.edu.tr/~htor>.

(c) $f(x) = x\sqrt{5-x}$



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

