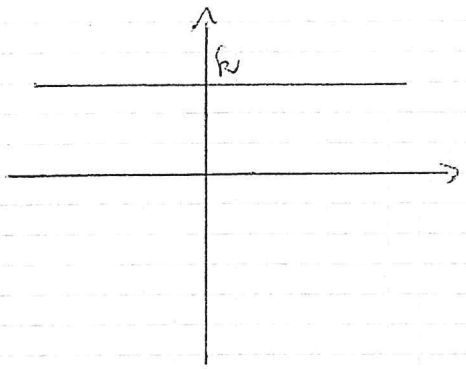
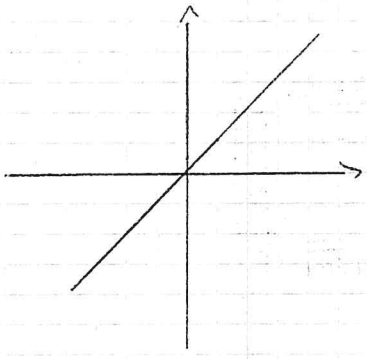
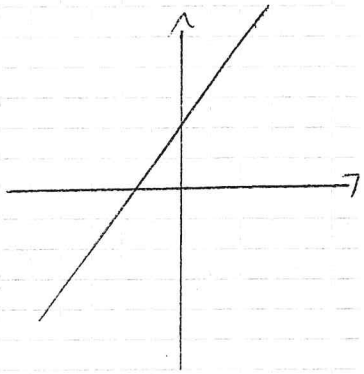
FUNZIONI ELEMENTARI



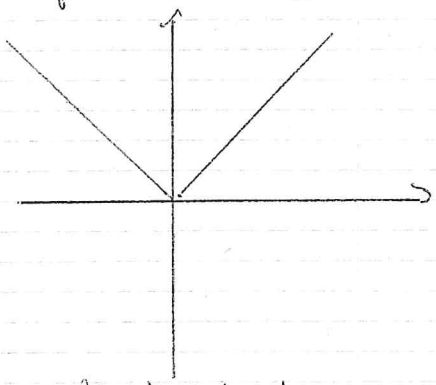
$f(x) = k \quad (k \in \mathbb{R})$



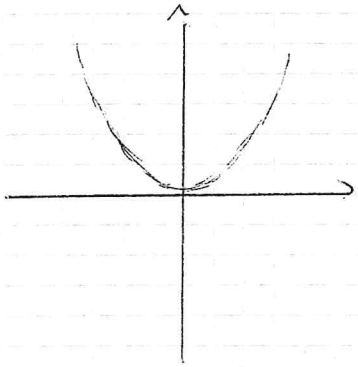
$f(x) = x$



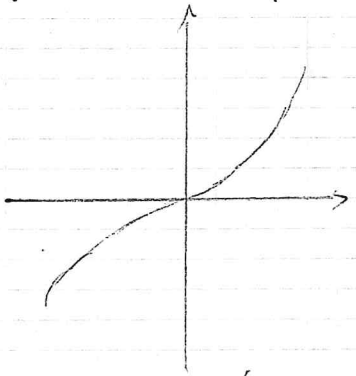
$f(x) = mx + p$



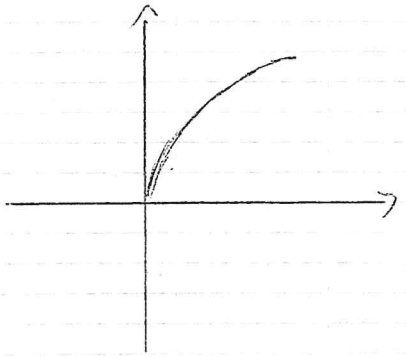
$f(x) = |x|$



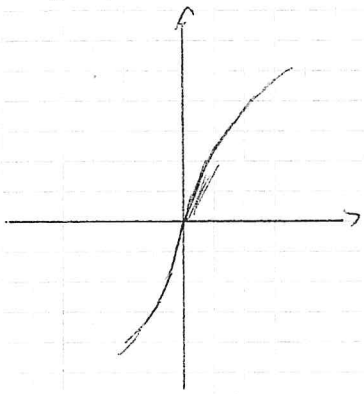
$f(x) = x^n \quad (n \text{ pari})$



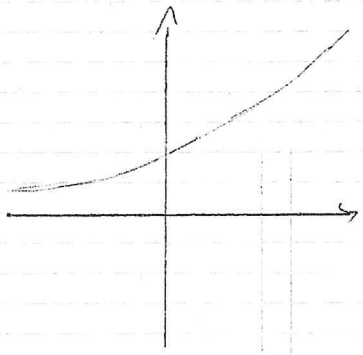
$f(x) = x^n \quad (n \text{ dispari})$



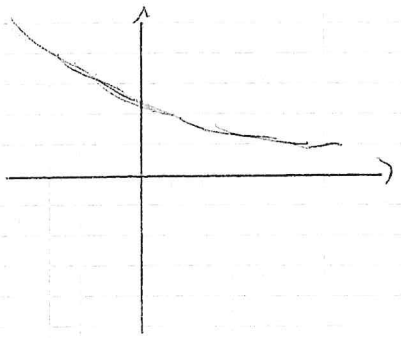
$f(x) = \sqrt[n]{x} \quad (n \text{ pari})$



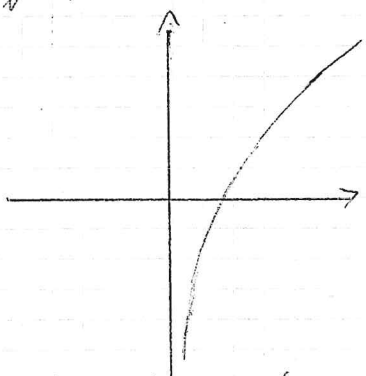
$f(x) = \sqrt[n]{x} \quad (n \text{ dispari})$



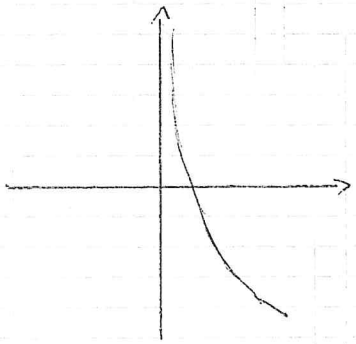
$f(x) = a^x \quad (a > 1)$



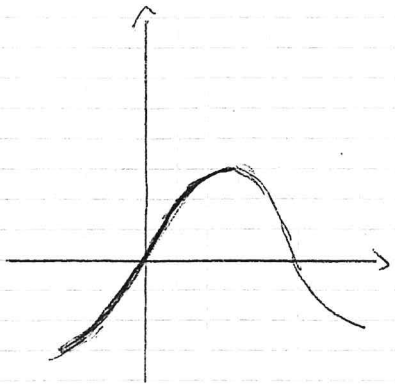
$f(x) = a^x \quad (0 < a < 1)$



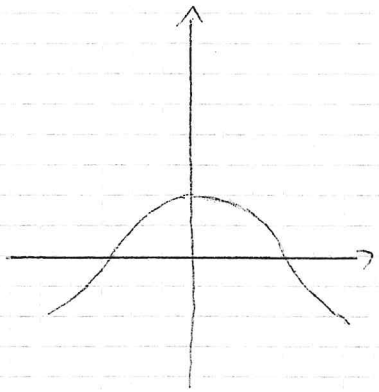
$f(x) = \log_a x \quad (a > 1)$



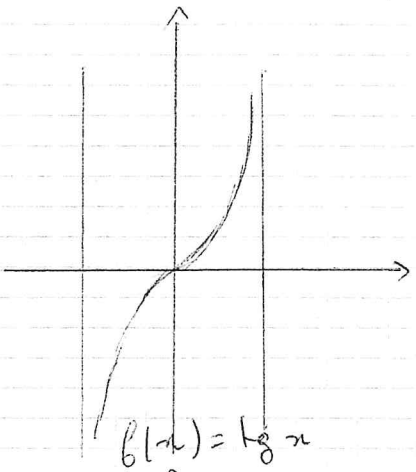
$f(x) = \log_a x \quad (0 < a < 1)$



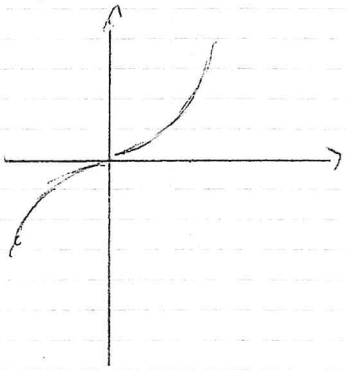
$f(x) = \sin x$



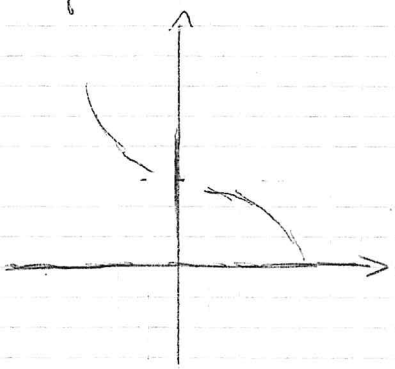
$f(x) = \cos x$



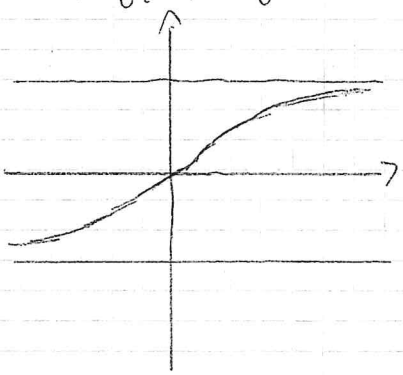
$f(x) = \operatorname{tg} x$



$f(x) = \arcsin x$

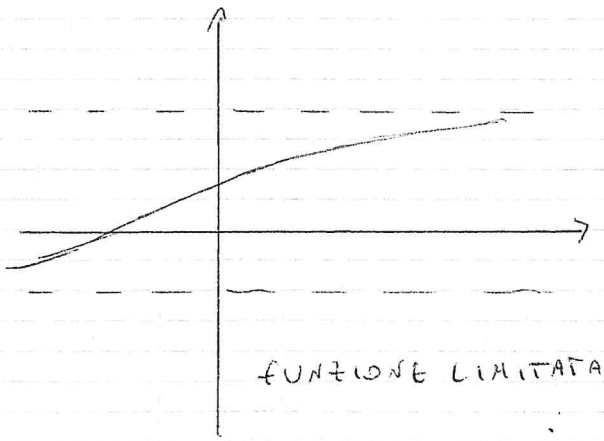


$f(x) = \arccos x$

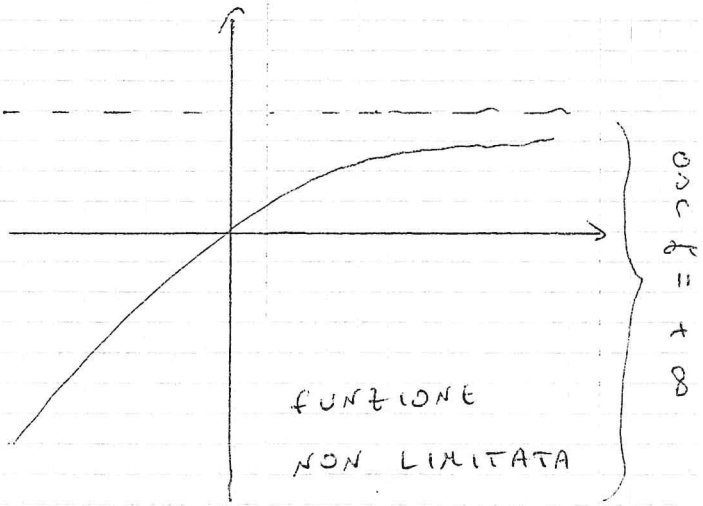


$f(x) = \operatorname{arctg} x$

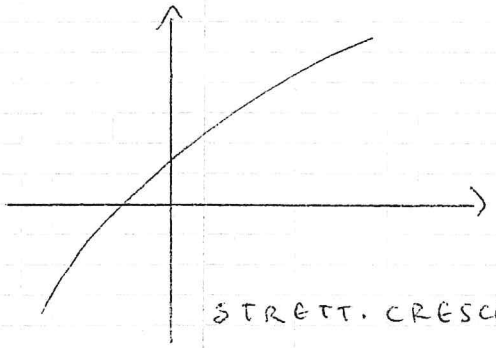
GENERALITÀ SULLE FUNZIONI



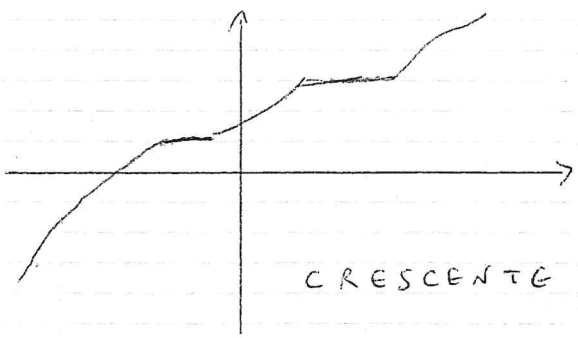
FUNZIONE LIMITATA



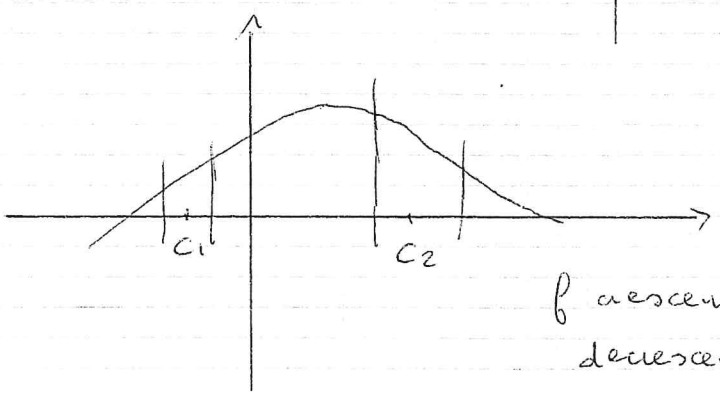
FUNZIONE NON LIMITATA



STRETT. CRESCENTE

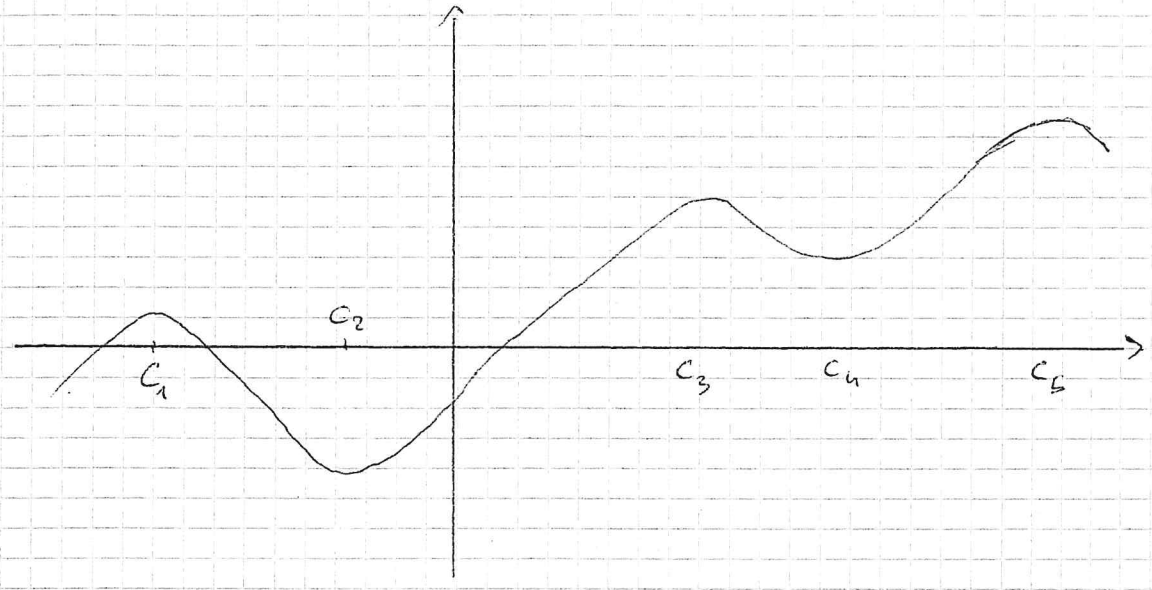


CRESCENTE



f crescente nel punto c_1

decrescente " c_2



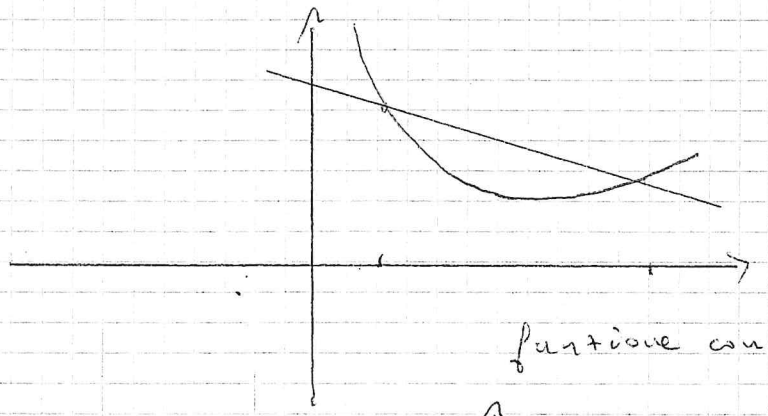
c_1 = punto di massimo relativo

c_5 = " " " assoluto ; $f(c_5)$ = massimo assoluto

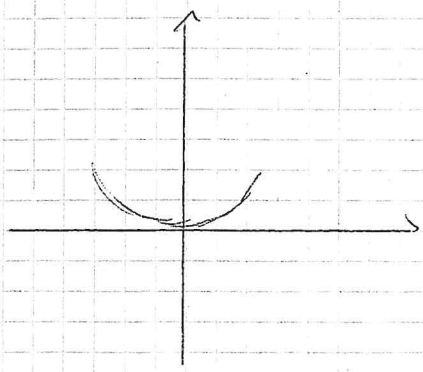
c_2 = " minimo assoluto ; $f(c_2)$ = minimo assoluto

c_3 = punto di massimo relativo

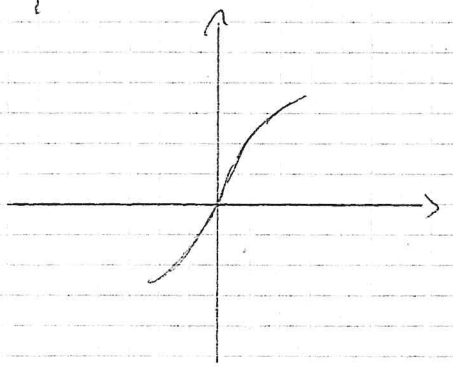
c_4 = " minimo relativo



funzione convessa



funzione fan



funzione disfani