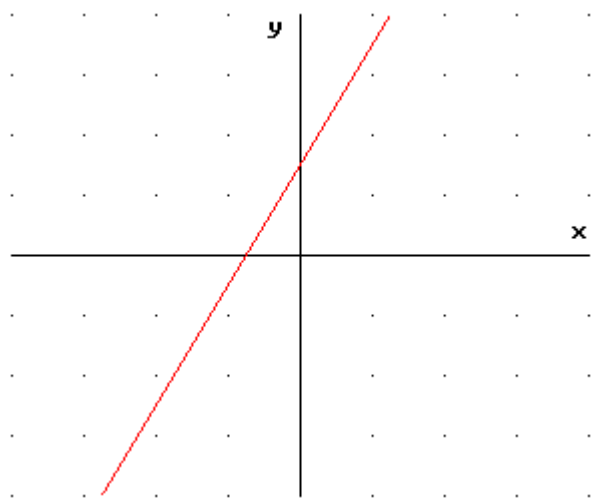
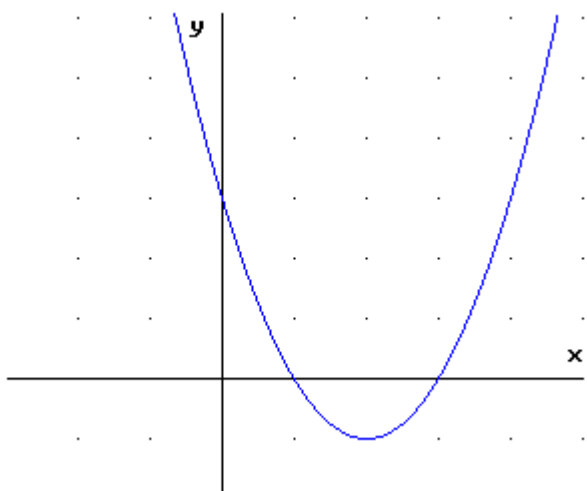


## GRAFICI DI FUNZIONI RAZIONALI NOTEVOLI

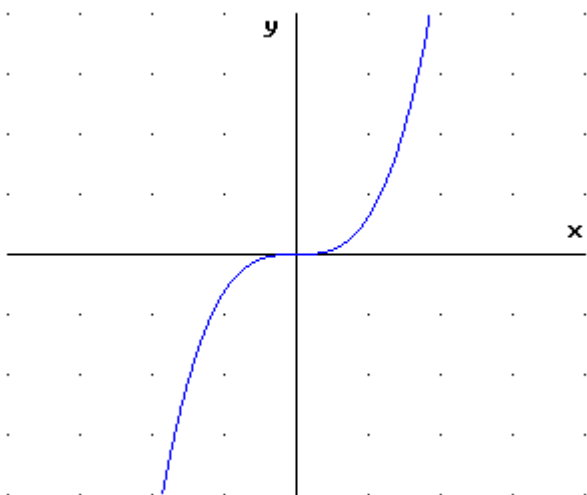
1. La funzione lineare (retta):  $y = ax + b$



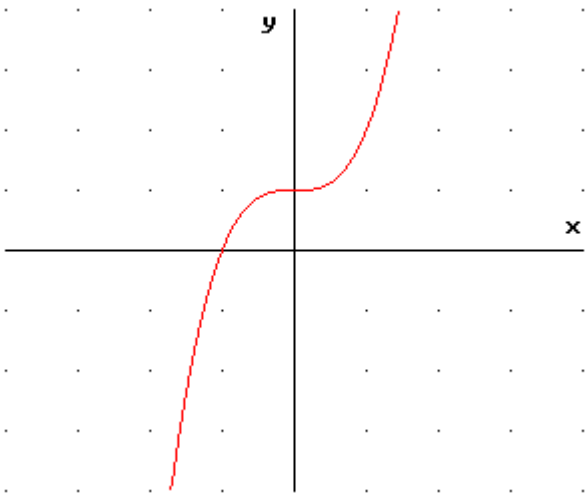
2. La funzione quadratica (parabola):  $y = ax^2 + bx + c$



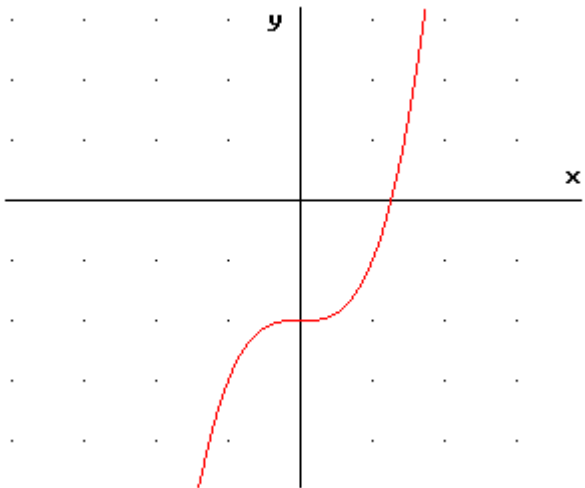
3. La cubica  $y = x^3$



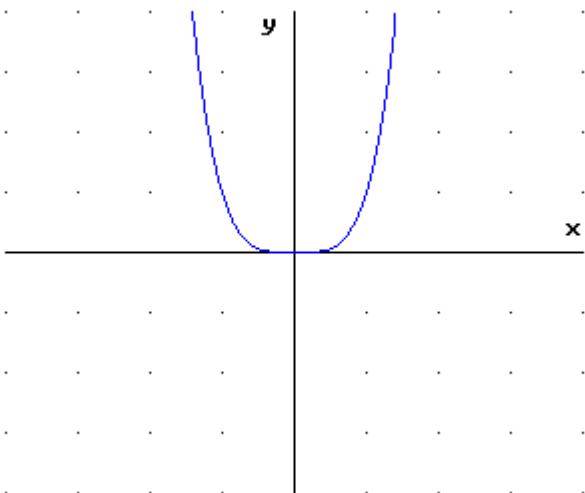
4. La cubica traslada  $y = x^3 + 1$



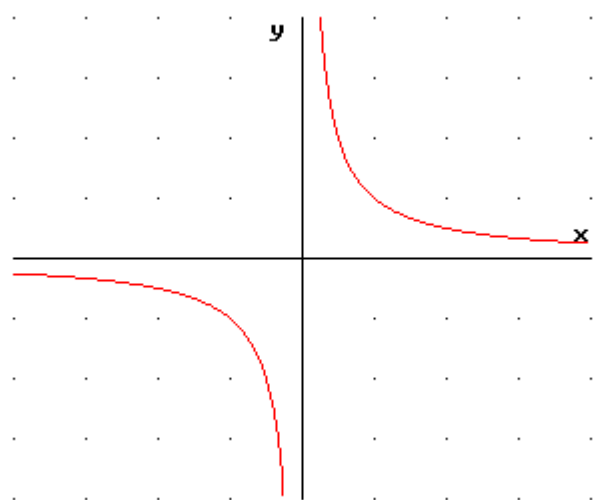
5. La cubica traslada  $y = x^3 - 2$



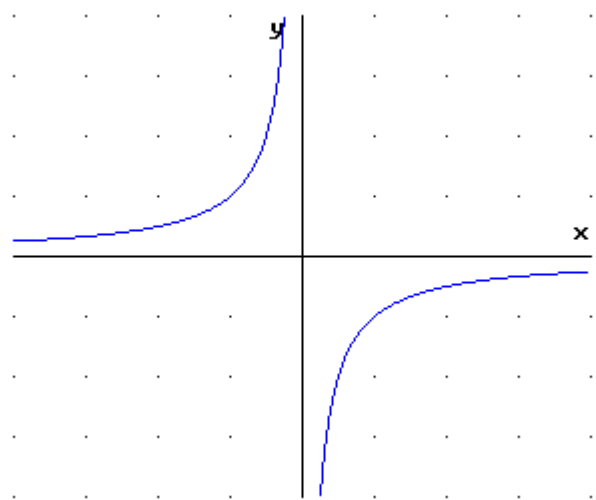
6. La quartica  $y = x^4$



7. L'iperbole equilatera  $y = \frac{1}{x}$

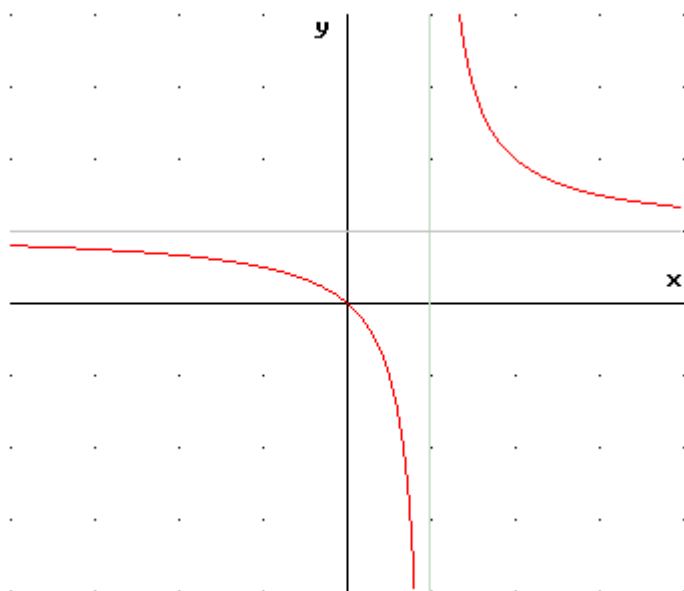


8.  $y = -\frac{1}{x}$

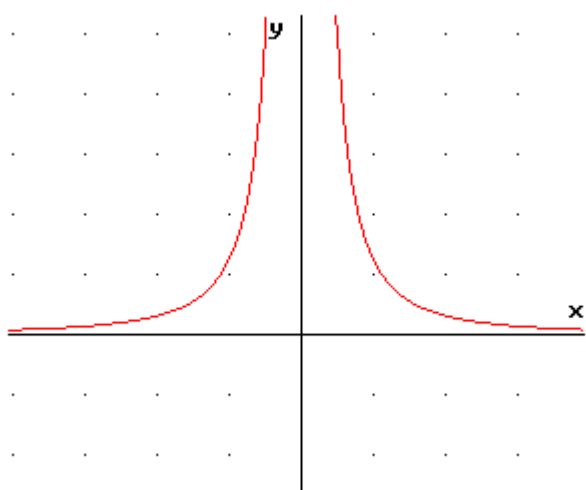


9. La funzione omografica  $y = \frac{ax + b}{cx + d}$  ( $ad - bc \neq 0$ ) Centro  $=(-d/c; a/c)$

asintoti:  $x = -d/c$  ;  $y = a/c$  . Esempio :  $y = \frac{x}{x - 1}$



10.  $y = \frac{1}{x^2}$



11.  $y = -\frac{1}{x^2}$

