

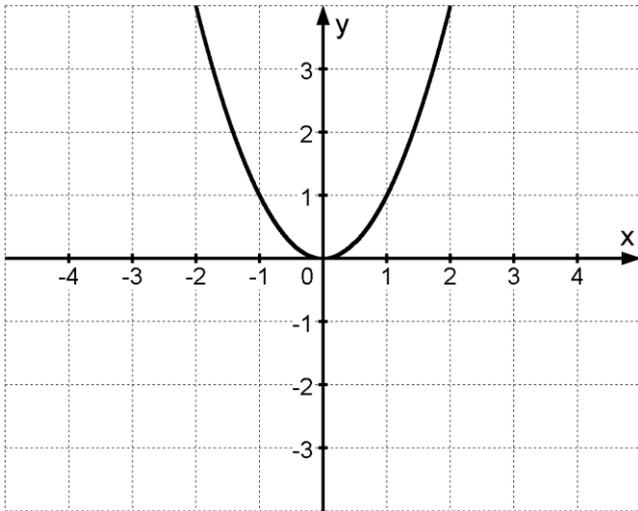
Semiparabole

Nota per l'insegnante

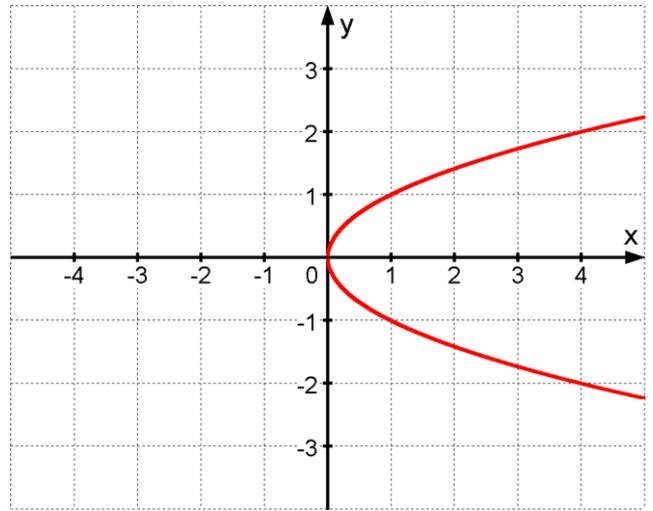
Un approccio rapido, direi visivo, per rappresentare alcuni tipi di funzioni con radice quadrate, a partire dalla parabola fondamentale.

- Stampare le due pagine che seguono su lucidi per lavagna luminosa (sì, al tempo dell'uso intensivo del computer nella didattica, uno strumento obsoleto può ancora servire!),
- Ritagliare accuratamente i disegni (hanno tutti la stessa dimensione)
- Lavorare con questi sulla lavagna luminosa sovrapponendo opportunamente i disegni giusti in progressione con una copia stampata su due fogli o un foglio solo (da consegnare anche agli studenti) come promemoria.

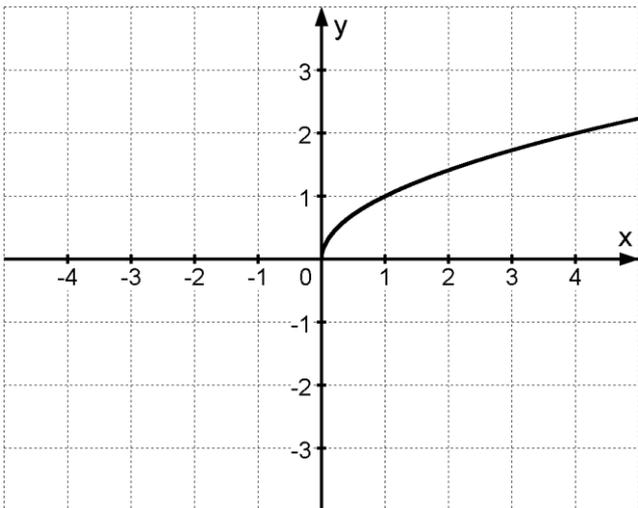
$$y = x^2$$



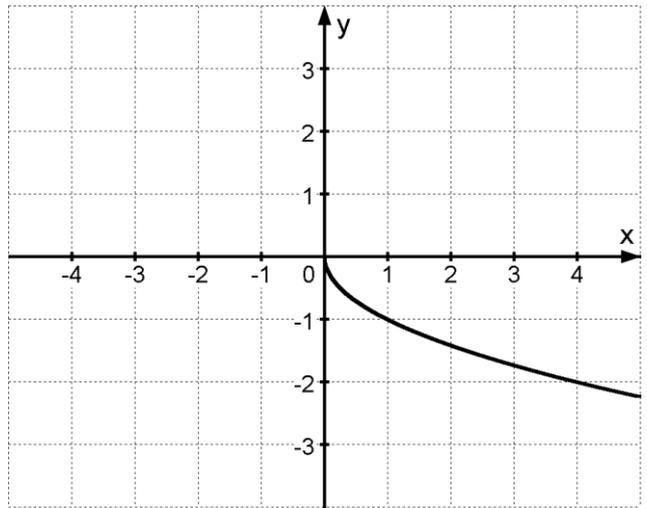
$$x = y^2$$



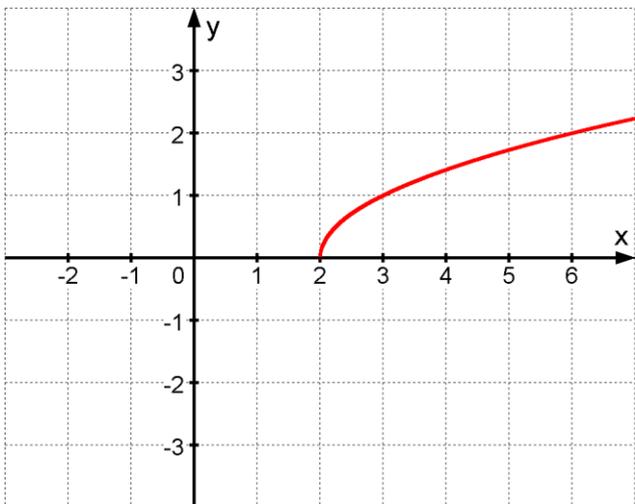
$$y = \sqrt{x}$$



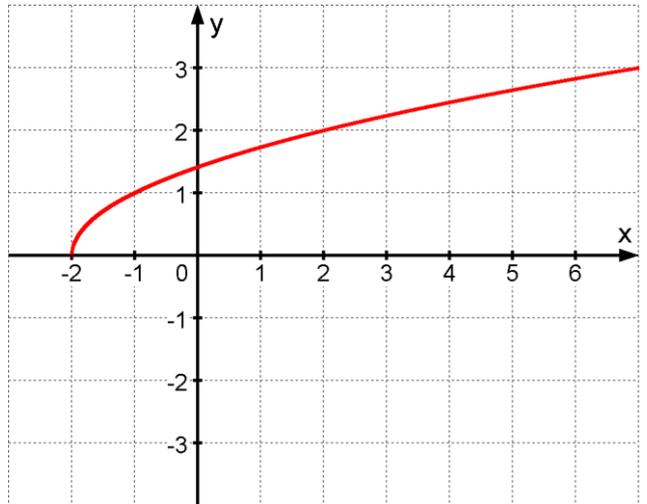
$$y = -\sqrt{x}$$



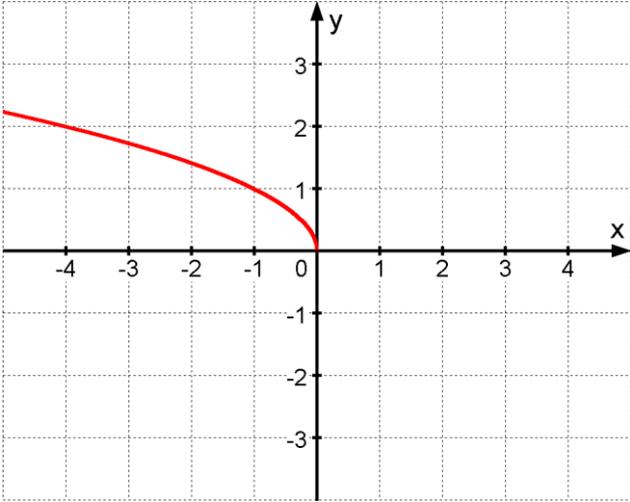
$$y = \sqrt{x-2}$$



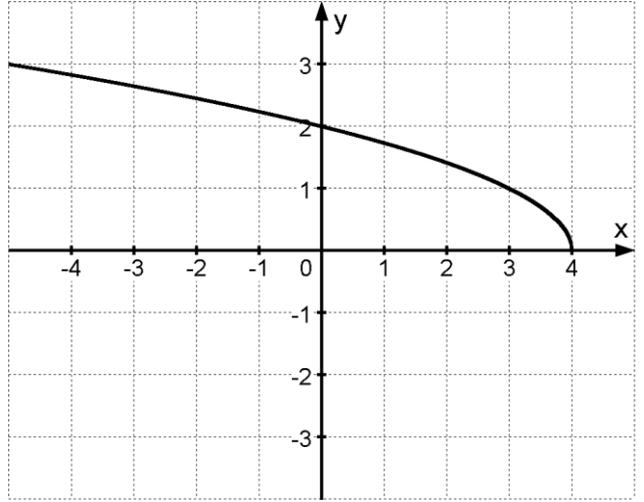
$$y = \sqrt{x+2}$$



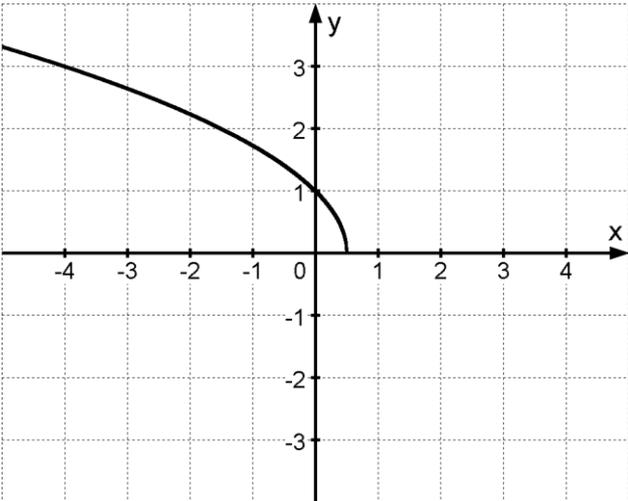
$$y = \sqrt{-x}$$



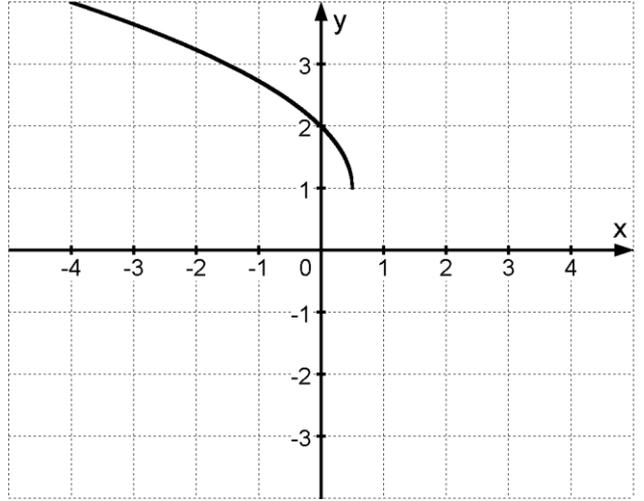
$$y = \sqrt{4-x}$$



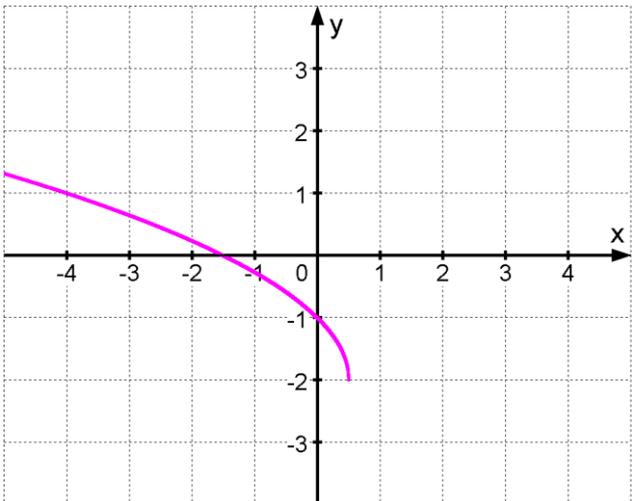
$$y = \sqrt{1-2x}$$



$$y = 1 + \sqrt{1-2x}$$



$$y = \sqrt{1-2x} - 2$$



$$y = 1 - \sqrt{1-2x}$$

