

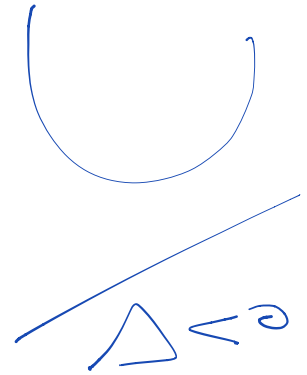
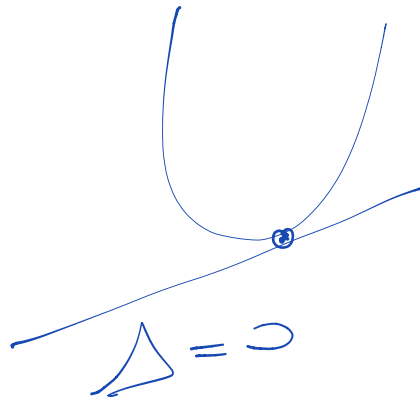
Sistemi di 2° grado

$$\begin{cases} 4y^2 - x = 0 \\ 1 + x = -4y \end{cases} \quad \begin{cases} x = 4y^2 \\ 1 + 4y^2 = -4y \end{cases}$$

$$\begin{cases} x = 4y^2 \\ 4y^2 + 4y + 1 = 0 \end{cases} \quad \begin{cases} x = 4y^2 \\ (2y + 1)^2 = 0 \end{cases}$$

$$\begin{cases} y = -\frac{1}{2} \\ x = 4\left(-\frac{1}{2}\right)^2 \end{cases} \quad \begin{cases} y = -\frac{1}{2} \\ x = 1 \end{cases}$$

$$\begin{cases} y = ax^2 + bx + c \\ y = mx + q \end{cases} \quad \begin{array}{l} \text{parabola} \\ \text{retta} \end{array}$$



Sistemi Simmetrici

$$\begin{cases} x + y = 5 \\ xy = -1 \end{cases}$$

$$\begin{cases} y + x = 5 \\ yx = -1 \end{cases}$$

$$z^2 - 5z - 1 = 0$$

$$\Delta = 25 + 4 = 29$$

$$z = \frac{5 \pm \sqrt{29}}{2}$$

$$\begin{cases} x_1 = \frac{5 - \sqrt{29}}{2} \\ y_1 = 5 - \frac{5 - \sqrt{29}}{2} \end{cases}$$

$$\begin{cases} x_2 = \frac{5 + \sqrt{29}}{2} \\ y_2 = 5 - \frac{5 + \sqrt{29}}{2} \end{cases}$$

$$\begin{cases} xy = 4 \\ x + y = 5 \end{cases}$$

$$z^2 - 5z + 4 = 0$$

$$(z - 4)(z - 1) = 0$$

$$\underline{z_1 = 4} \quad \underline{z_2 = 1}$$

$$\begin{cases} x = 4 \\ y = 1 \end{cases}$$

$$\begin{cases} x = 1 \\ y = 4 \end{cases}$$

$$\begin{cases} x^2 + y^2 = 5 \\ x + y = 3 \end{cases}$$

$$\begin{cases} (x+y)^2 - 2xy = 5 \\ x + y = 3 \end{cases}$$

$$\begin{cases} 9 - 2xy = 5 \\ x + y = 3 \end{cases}$$

$$\begin{cases} x + y = 3 \\ xy = 2 \end{cases}$$

$$z^2 - 3z + 2 = 0$$

$$(z - 2)(z - 1) = 0$$

$$\begin{cases} x = 2 \\ y = 1 \end{cases}$$

$$\begin{cases} x = 1 \\ y = 2 \end{cases}$$

$$\begin{cases} x^2 + y^2 = 5 \\ x + y = 3 \end{cases} \quad \begin{cases} y = 3 - x \\ x^2 + (3 - x)^2 = 5 \end{cases}$$

$$\begin{cases} y = 3 - x \\ x^2 + 9 - 6x + x^2 = 5 \end{cases} \quad \begin{cases} y = 3 - x \\ 2x^2 - 6x + 4 = 0 \end{cases}$$

$$\begin{cases} y = 3 - x \\ x^2 - 3x + 2 = 0 \end{cases}$$

$$\begin{cases} x + y = 4 & \text{retta} \end{cases}$$

$$\begin{cases} xy = 4 & \text{iperbole equil.} \end{cases}$$

