Retta

Retta per due punti

$A(x_1, y_1)$ $B(x_2, y_2)$

$$\frac{y - y_1}{y_2 - y_1} = \frac{x - x_1}{x_2 - x_1}$$

Forma implicita

$ax + by + c = 0$

Forma Esplicita

$y = mx + q$

Retta per punto

$A(x_1, y_1)$ $y - y_1 = m(x - x_1)$

Rette Parallele

$y = m_1 x + q_1$ $y = m_2 x + q_2$

$m_1 = m_2$

Rette Perpendicolari

$y = m_1 x + q_1$ $y = m_2 x + q_2$

$m_1 \cdot m_2 = -1$

Coefficiente angolare

$A(x_1, y_1)$ $B(x_2, y_2)$ $m = \dfrac{y_2 - y_1}{x_2 - x_1}$

Rette parallele

$ax + by + c = 0$ $a_1 x + b_1 y + c_1 = 0$

$a_1 b - b_1 a = 0$

Rette parallele

$ax + by + c = 0$ $a_1 x + b_1 y + c_1 = 0$

$\dfrac{a}{b} \cdot \dfrac{a_1}{b_1} = -1$