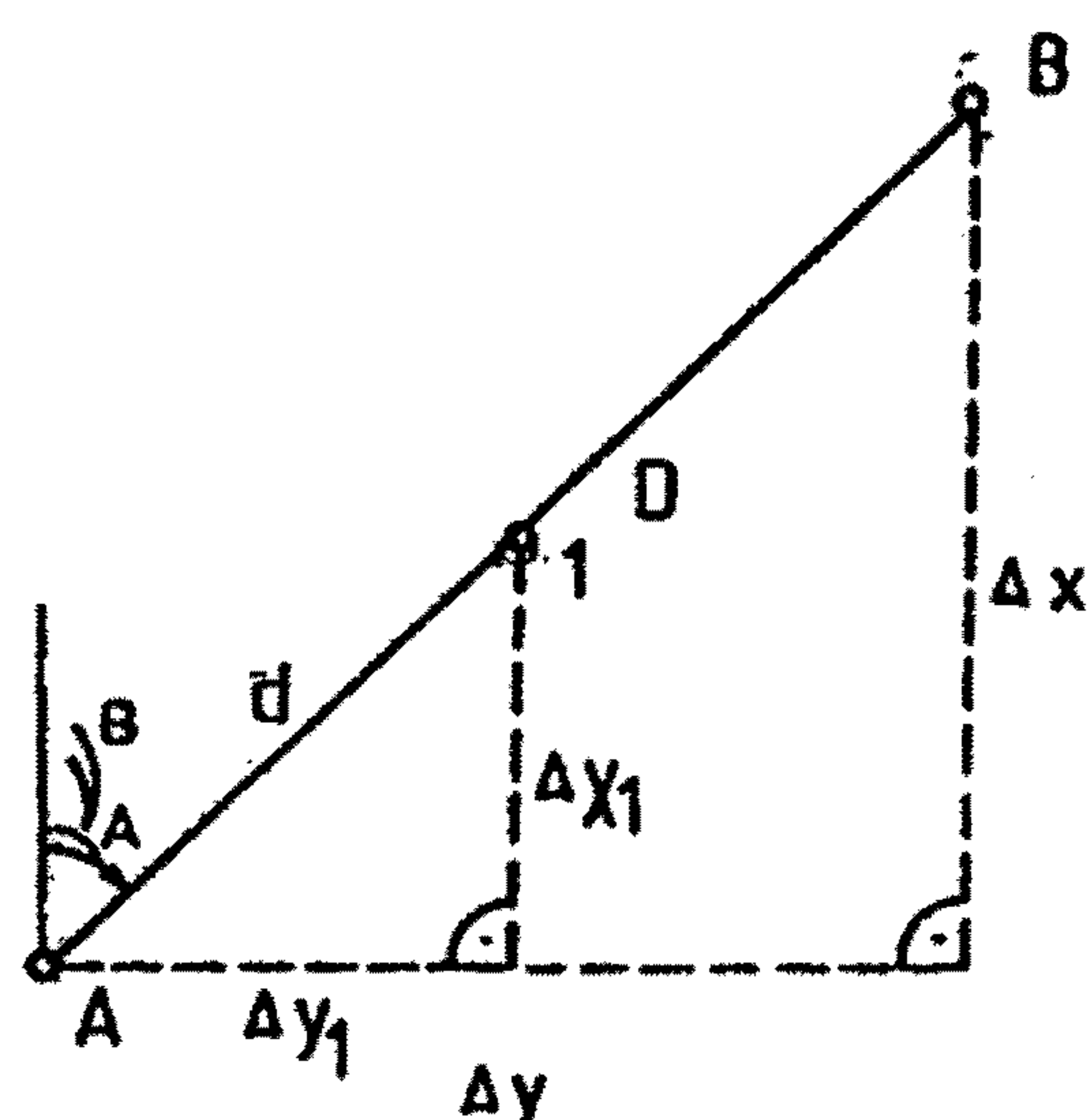


Račun koordinata detaljnih točaka

a) detaljna točka na liniji (izračunate točke)



$$\Delta y_1 = y_1 - y_A$$

$$\Delta x_1 = x_1 - x_A$$

$$p = \sin \beta$$

$$q = \cos \beta$$

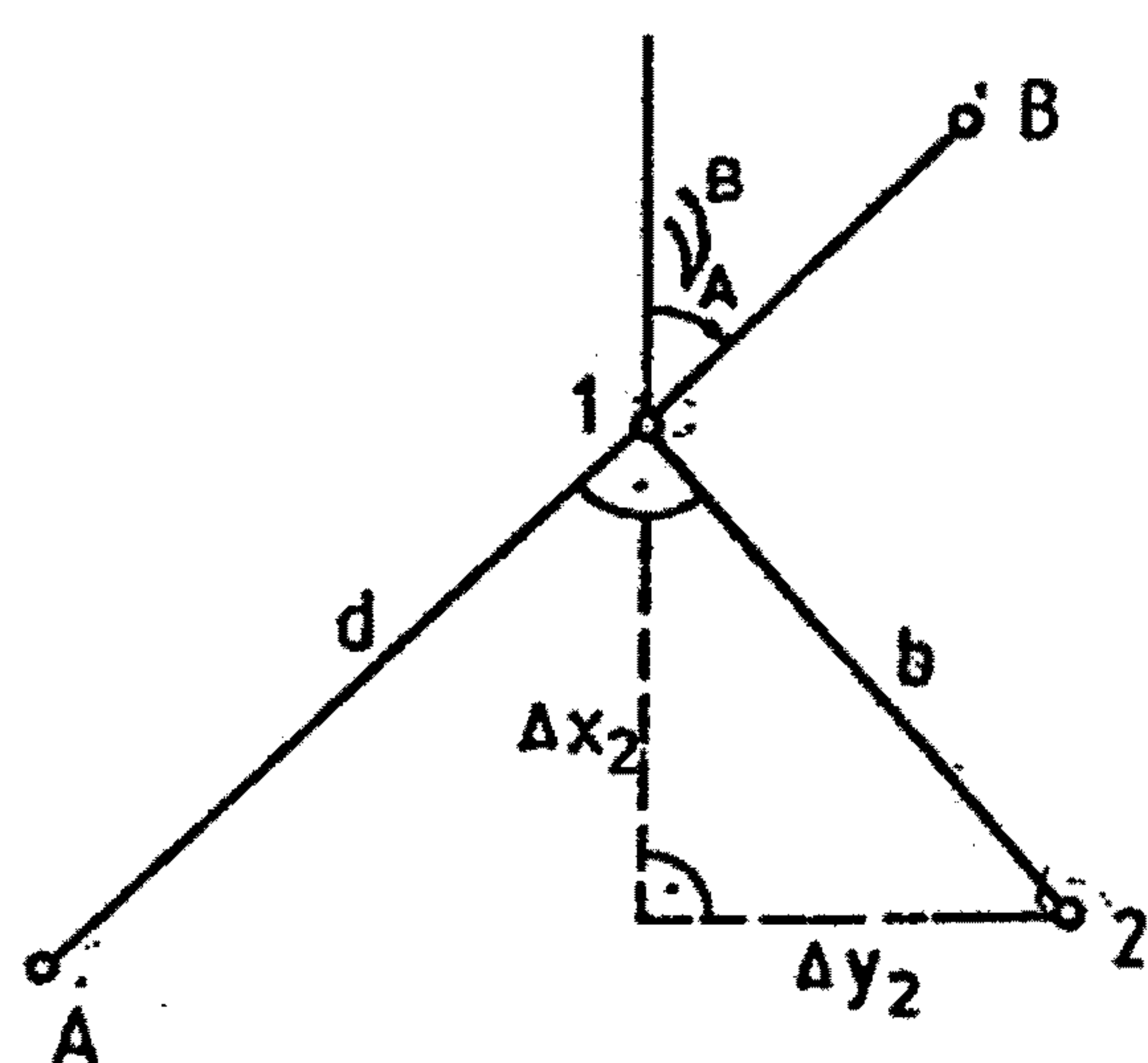
$$\Delta y_1 = p \cdot d$$

$$\Delta x_1 = q \cdot d$$

$$y_1 = y_A + \Delta y_1$$

$$x_1 = x_A + \Delta x_1$$

b) detaljna točka na okomici (izračunate točke)



$$\Delta y_2 = y_2 - y_1$$

$$\Delta x_2 = x_2 - x_1$$

$$p = \sin \beta$$

$$q = \cos \beta$$

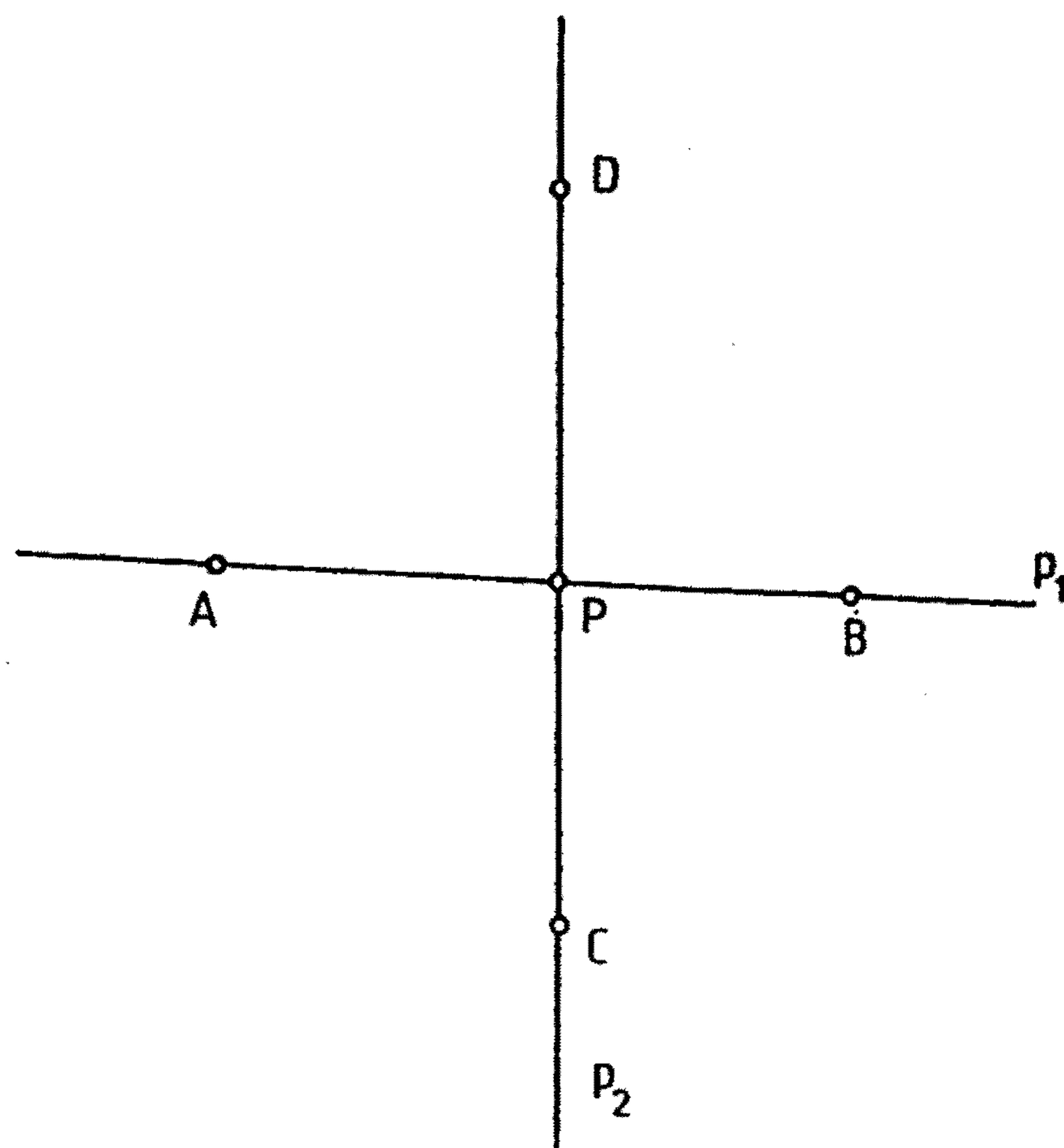
$$\Delta y_2 = b \cdot q$$

$$\Delta x_2 = -b \cdot p$$

$$y_2 = y_A + p \cdot d + q \cdot b$$

$$x_2 = x_A + q \cdot d - p \cdot b$$

c) presjek pravaca (izračunate točke)



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

$$P_1 - y = a_1 x + b_1$$

$$P_2 - y = a_2 x + b_2$$

$$P_1 \cap P_2 - x_P = \frac{b_2 - b_1}{a_1 - a_2} \quad y_P = a x_P + b$$