

T: Równanie prostej na płaszczyźnie

$y = ax + b$ - p. kinunkdwa

$Ax + By + C = 0$ - p. ogólna

$y = a_1x + b_1$

$y = a_2x + b_2$

$a_1 = a_2$

|| równoległe

$a_1 \cdot a_2 = -1$

⊥

$(a_1 = -\frac{1}{a_2})$

prostopadłe

Napisi rovnice prvky 1 do prvej
 $2x - 3y + 1 = 0$ predhodkej per

punkt A A (-2, 3)

$$-3y = 2x - 1 \quad / : (-3)$$

$$y = -\frac{2}{3}x + \frac{1}{3}$$

$$y = -\frac{2}{3}x + b$$

$$3 = -\frac{2}{3} \cdot (-2) + b$$
$$3 = 3 + b \Rightarrow b = 0$$

$$y = -\frac{2}{3}x$$

$$-x + 2y - 4 = 0$$

1

P(-2, 0)

$$2y = x + 4$$

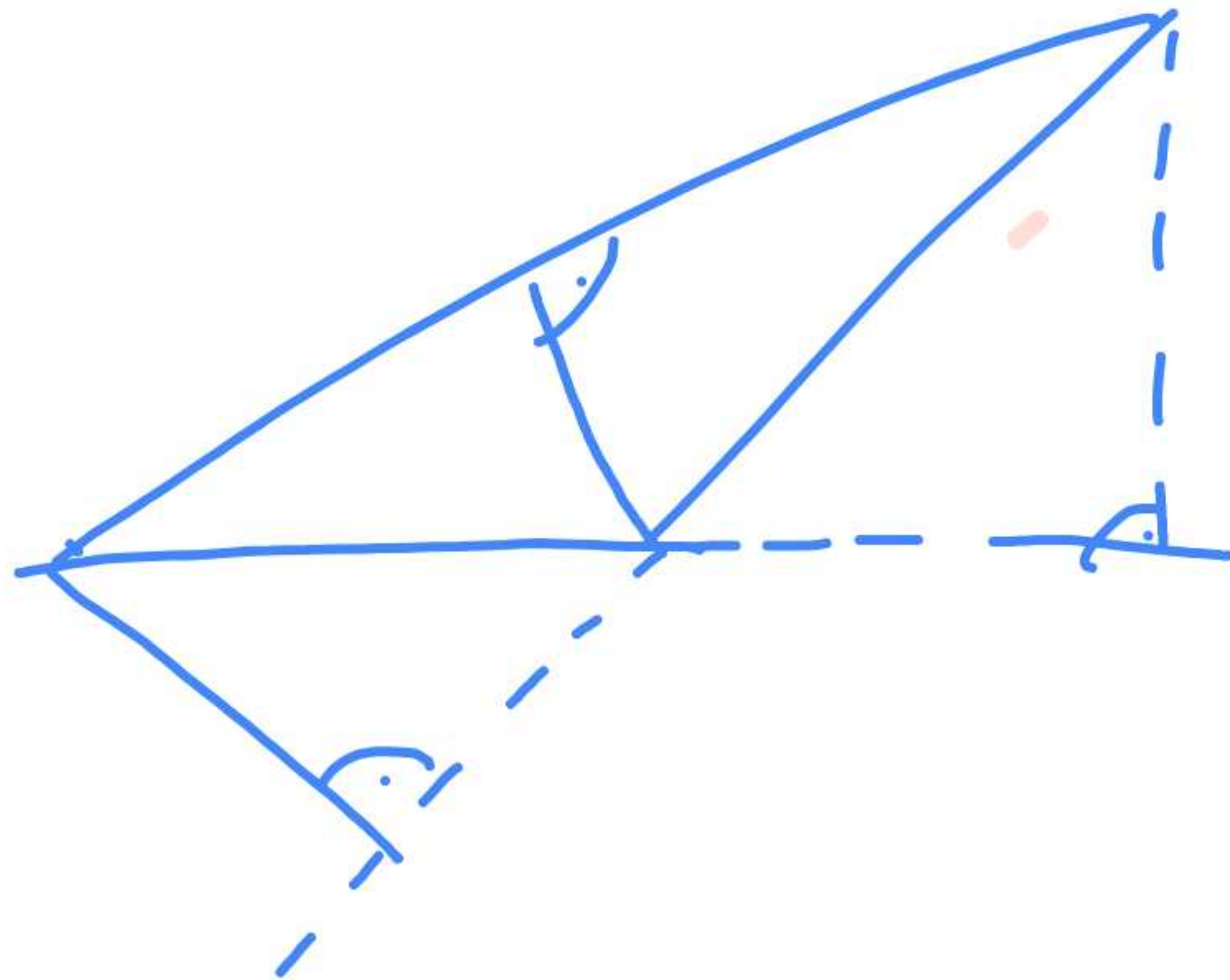
$$y = \boxed{\frac{1}{2}}x + 2 \checkmark$$

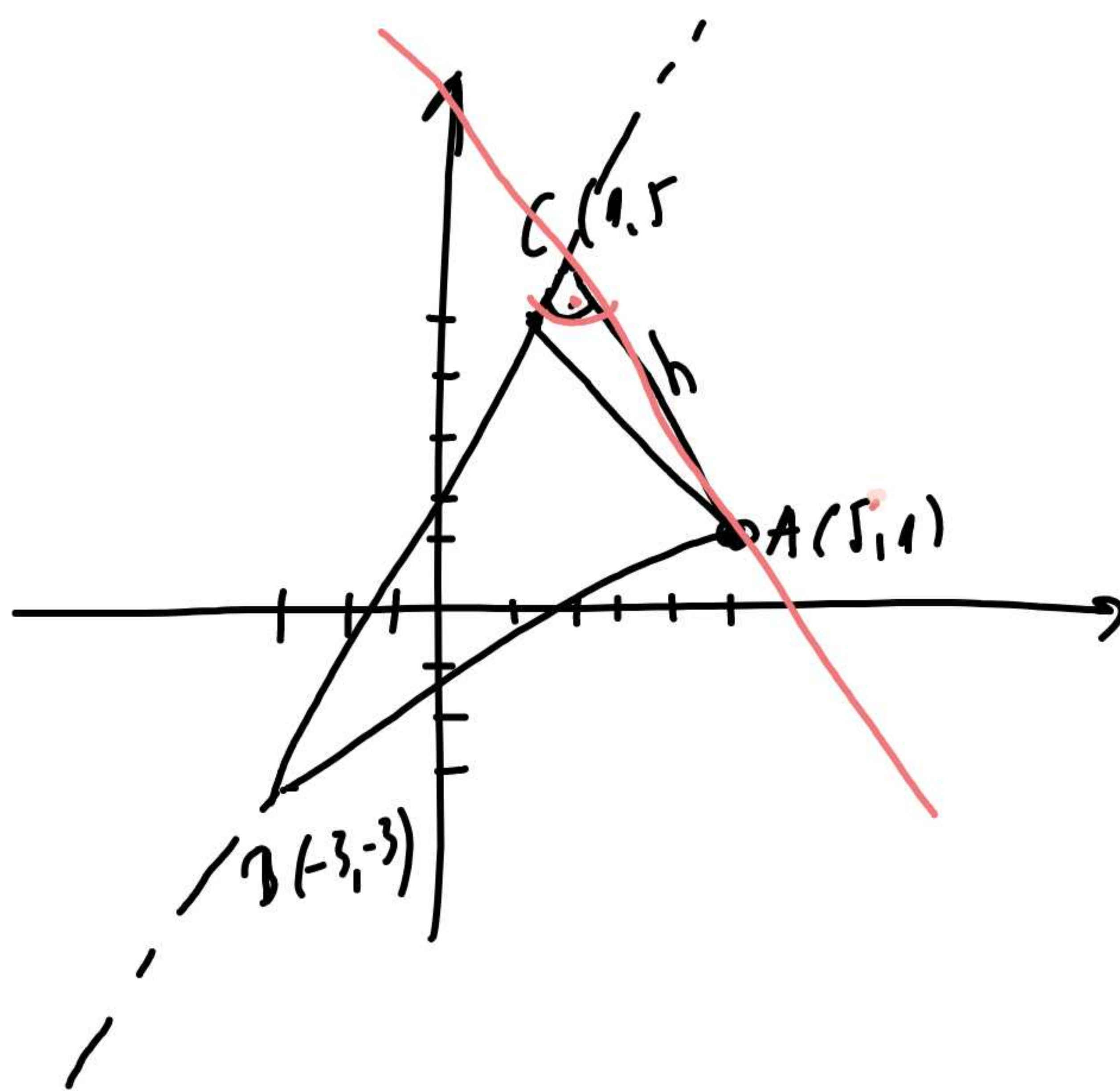
$$y = \boxed{-2}x + b$$

$$0 = -2 \cdot (-2) + b$$

$$b = -4$$

$$\boxed{y = -2x - 4}$$





1. Równanie boku BC
2. Przetopacenie BC
przez punkt A

$$y = ax + b$$

$$\underline{B(-3, -3) \quad C(1, 5)}$$

$$\begin{cases} -3 = -3a + b & | \cdot (-1) \\ 5 = a + b \\ 3 = 3a - b \\ 5 = a + b \end{cases}$$

$$5 = 2 + b \Rightarrow b = 3$$

$$\underline{y = 2x + 3 \quad BC}$$

$$8 = 4a \Rightarrow a = 2$$

$$\boxed{y = -\frac{1}{2}x - \frac{3}{2}}$$

$$y = -\frac{1}{2}x + b \quad A(5, 1)$$

$$1 = \frac{1}{2} \cdot 5 + b$$

$$1 = \frac{5}{2} + b$$

$$b = -\frac{3}{2}$$