

Mavzu 6.

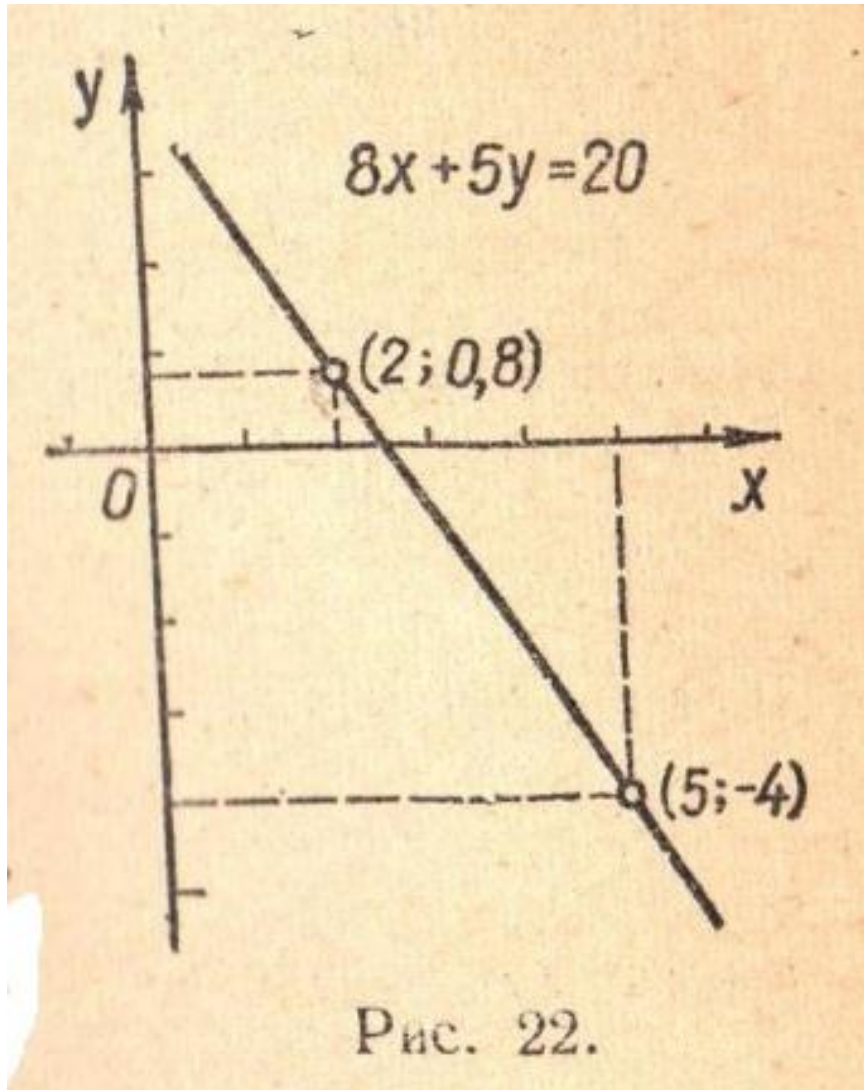
To'g'ri chiziqning umumiy tenglamasi va hossalari.

To'g'ri chiziqning o'qlardan ajratgan kesmalar bo'yicha tenglamasi.

Rega:

- 1. To'g'ri chiziqning umumiy tenglamasi va hossalari.**
- 2. To'g'ri chiziqning o'qlardan ajratgan kesmalar bo'yicha tenglamasi.**

1. To'g'ri chiziqning umumiy tenglamasi va hossalari.



$$Ax + By + C = 0$$

1. To'g'ri chiziqning umumiy tenglamasi va hossalari.

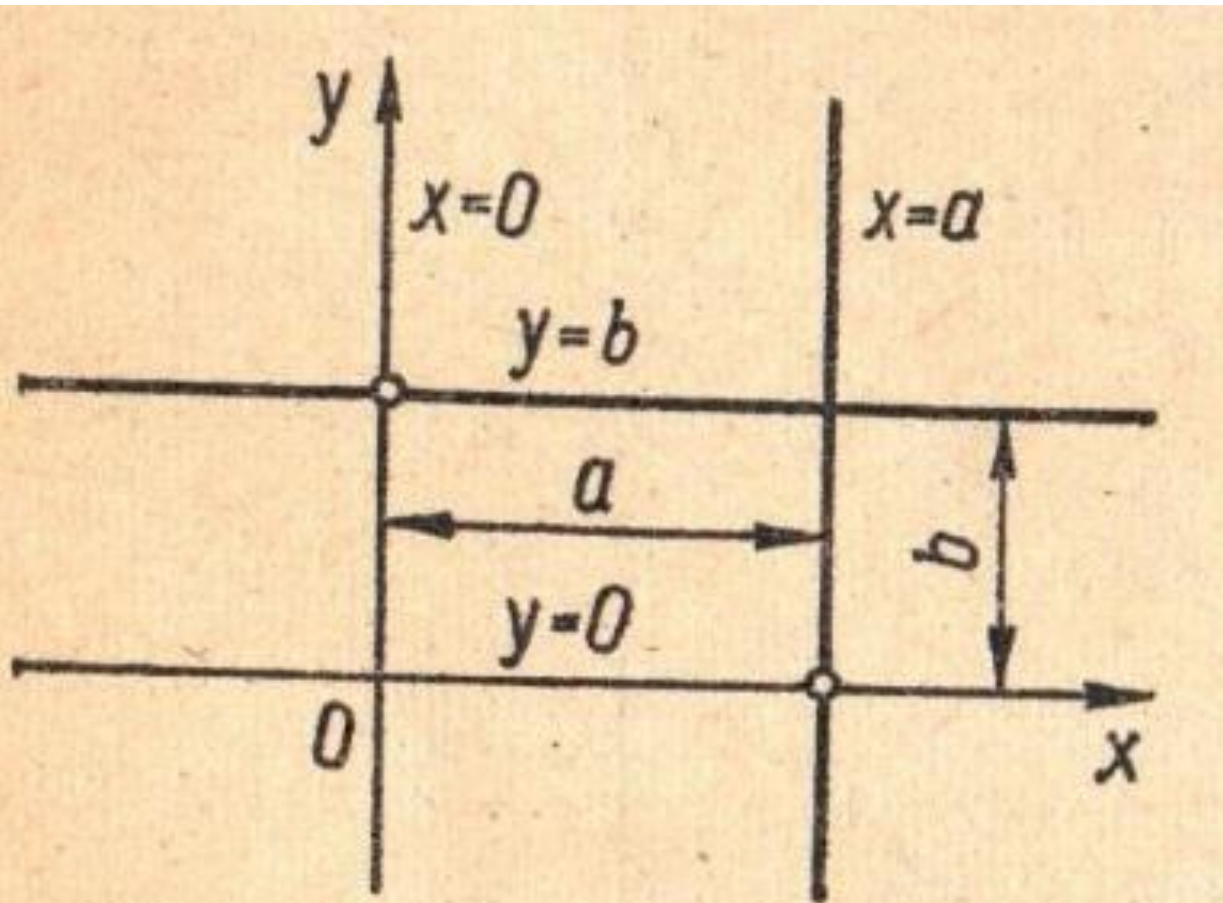


Рис. 21.

$$Ax + c = 0 \quad \text{yoki}$$

$$x = -\frac{c}{A} = a$$

$$By + C = 0 \quad \text{yoki}$$

$$y = -\frac{C}{B} = b$$

2. To'g'ri chiziqning o'qlardan ajratgan kesmalar bo'yicha tenglamasi.

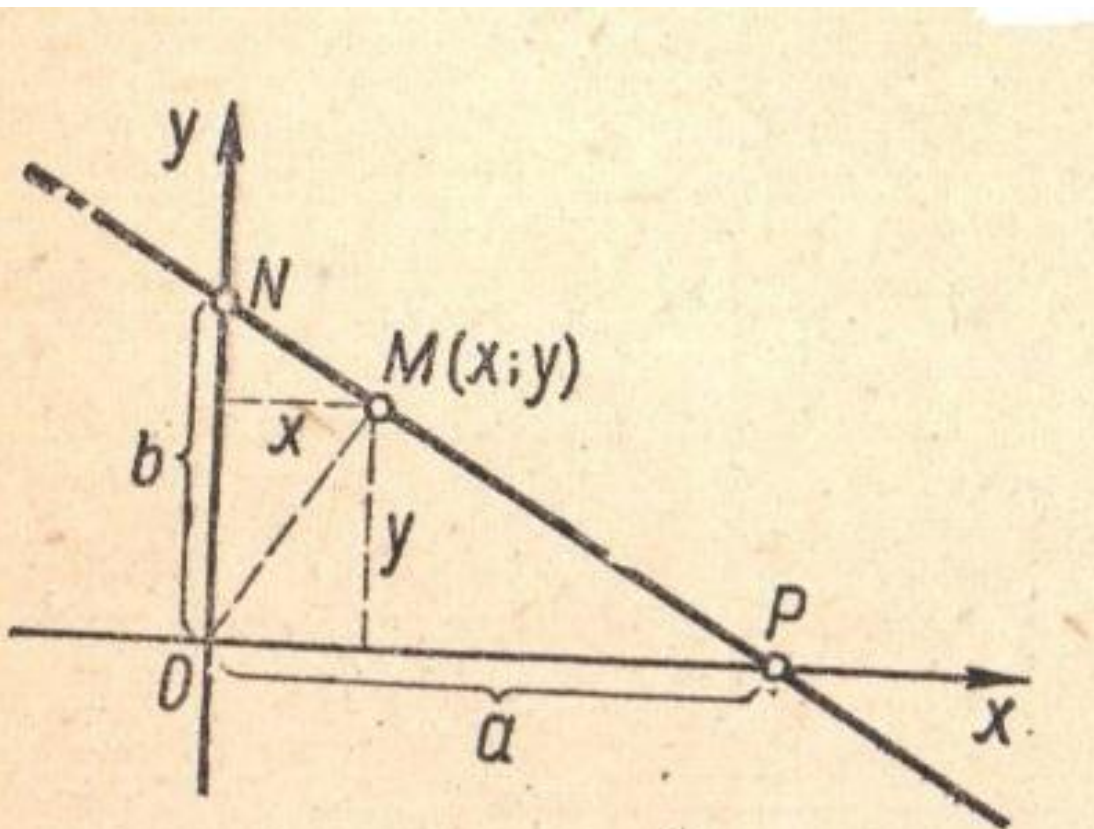


Рис. 23.

$$Ax + By + C = 0$$

$$\frac{A}{-C}x + \frac{B}{-C}y = 1$$

$$\frac{x}{a} + \frac{y}{b} = 1$$