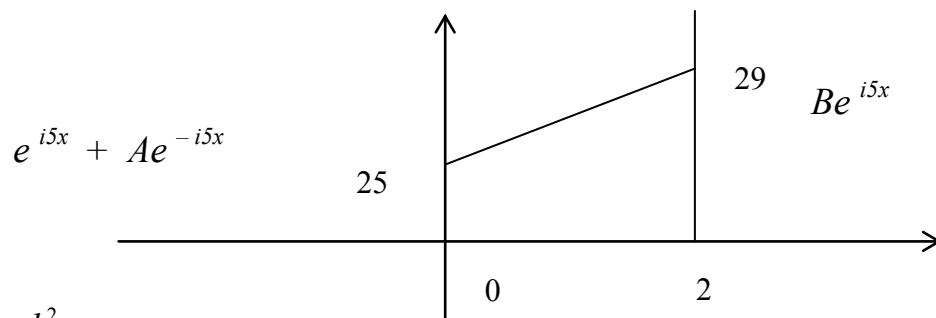




$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

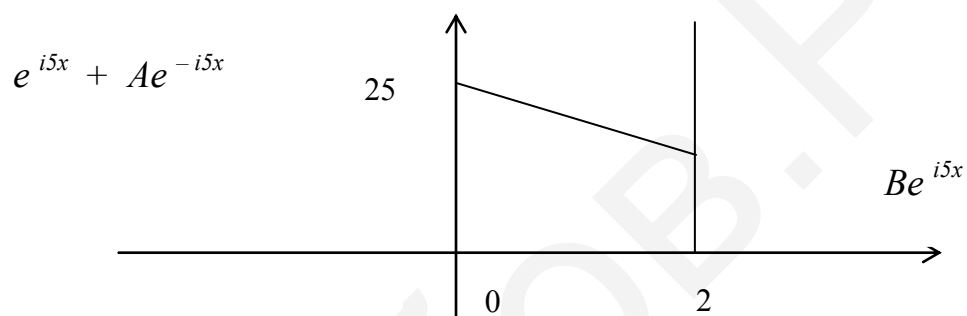
$$25, \quad x \leq 0;$$

$$2x + 25, \quad 0 < x < 2;$$

$$n(x) =$$

$$25, \quad x \geq 2$$

№2



$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

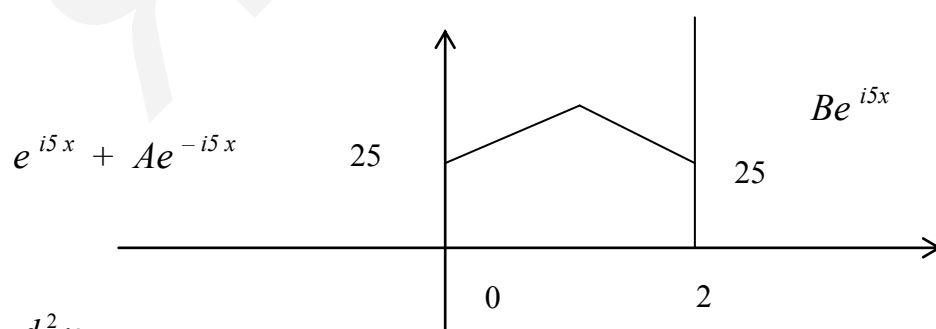
$$25, \quad x \leq 0;$$

$$-2x + 25, \quad 0 < x < 2;$$

$$n(x) =$$

$$25, \quad x \geq 2.$$

№3



$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

$$25, \quad x \leq 0;$$

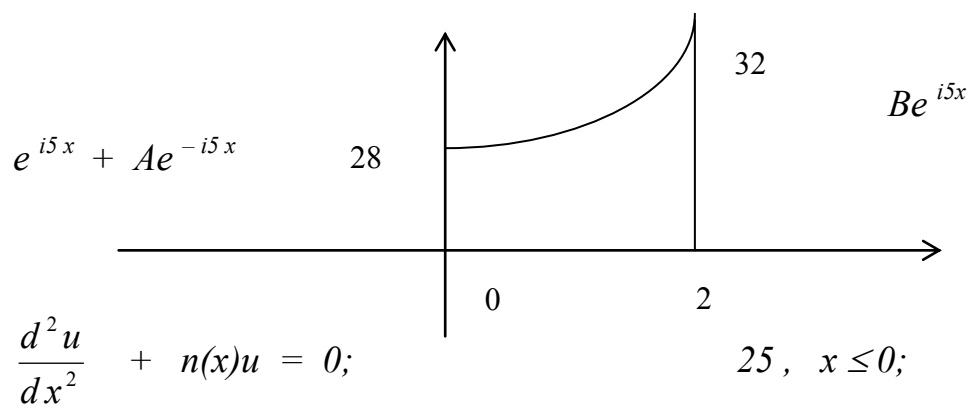
$$2x + 25, \quad 0 < x \leq 1;$$

$$-2x + 29, \quad 1 < x < 2;$$

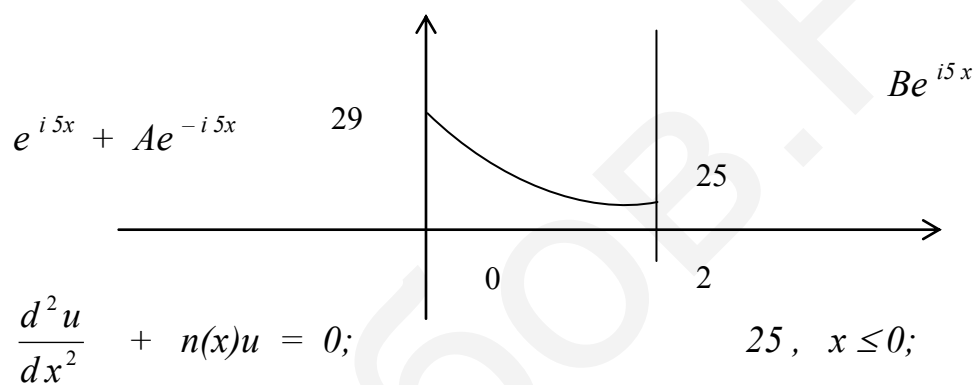
$$n(x) =$$

$$25, \quad x \geq 2.$$

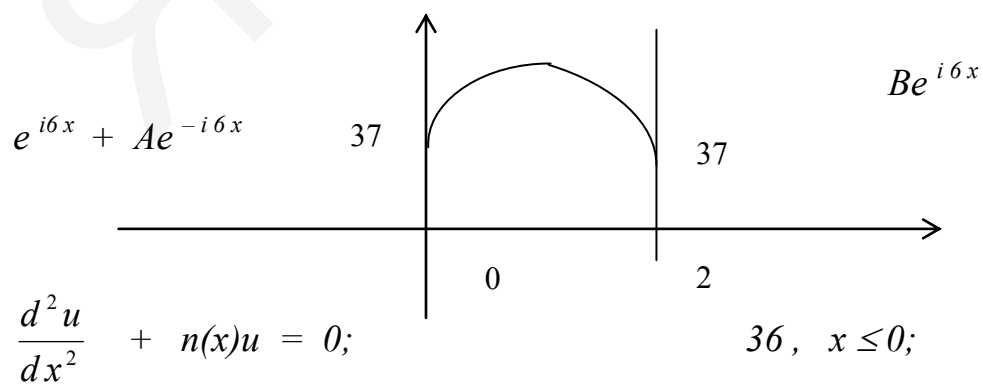
№4



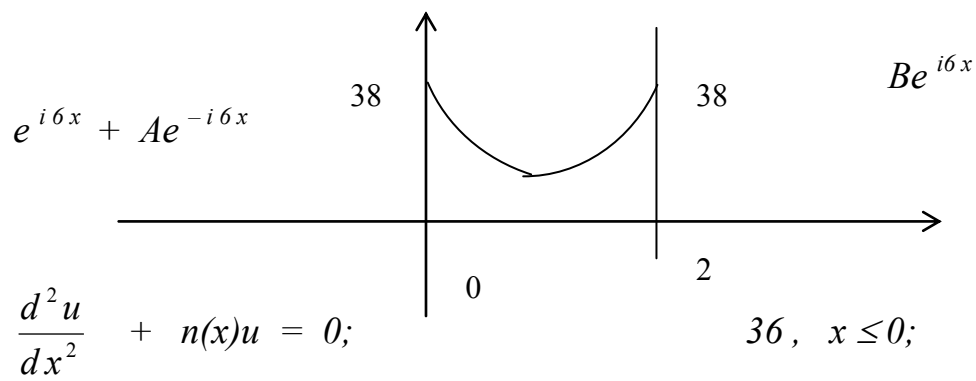
№5



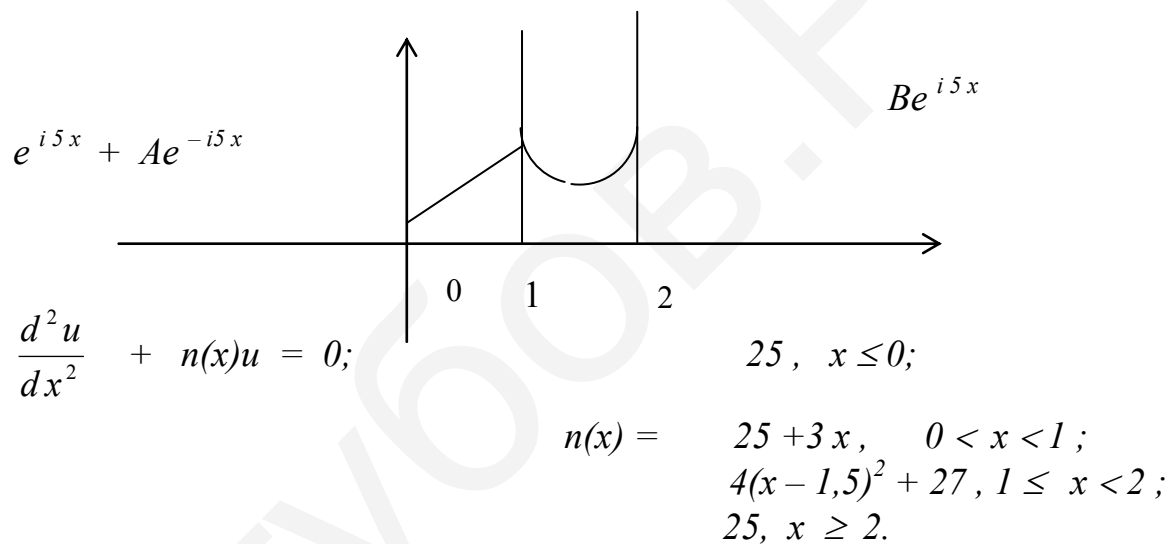
№6



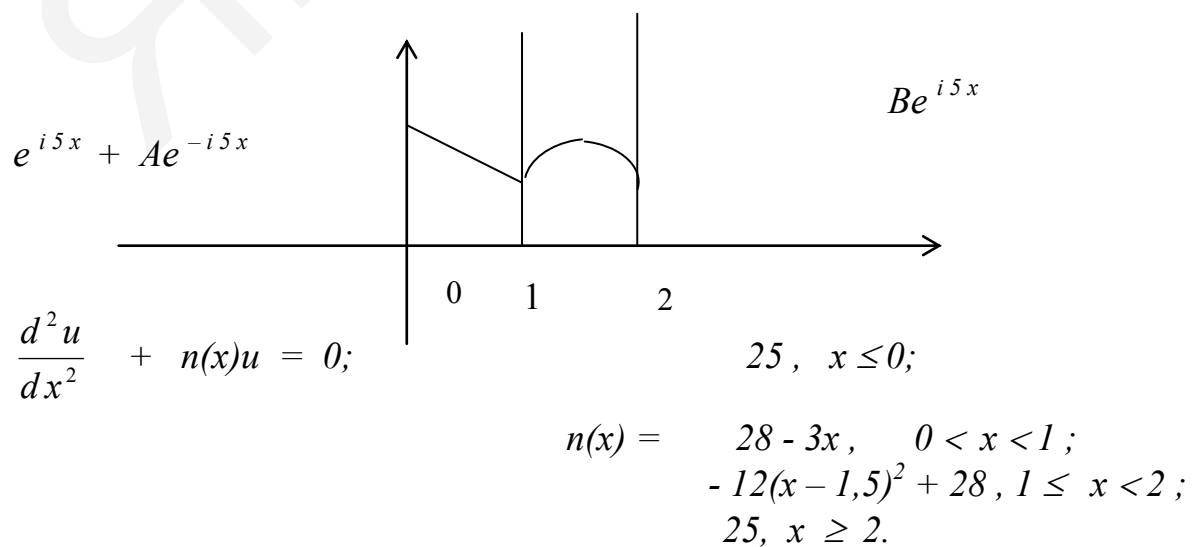
№7



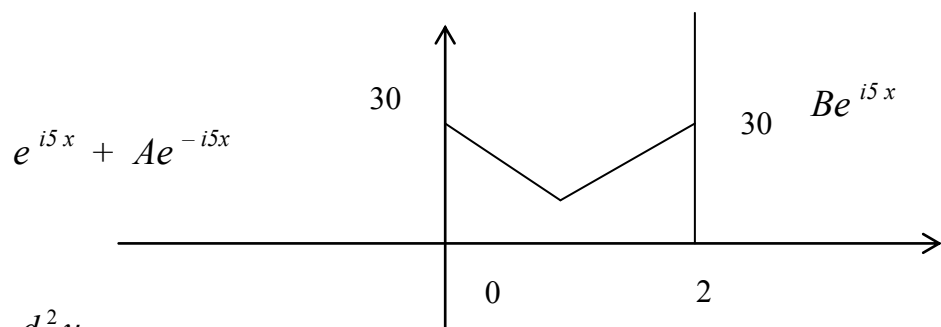
№8



№9



№10

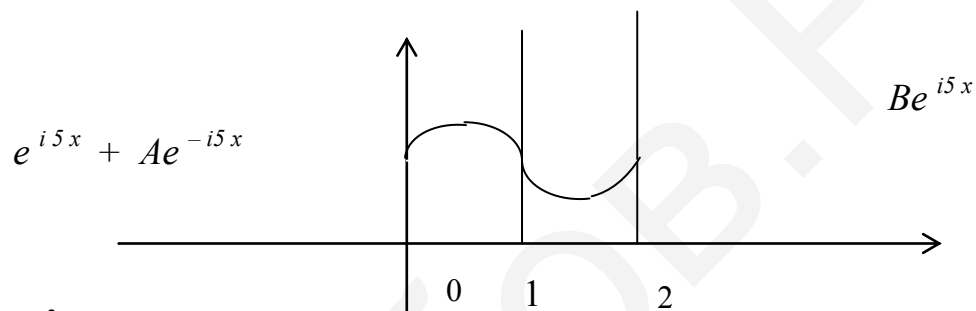


$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

$$25, \quad x \leq 0;$$

$$n(x) = \begin{cases} -5x + 30, & 0 < x \leq 1; \\ 5x + 20, & 1 < x < 2; \\ 25, & x \geq 2. \end{cases}$$

№11



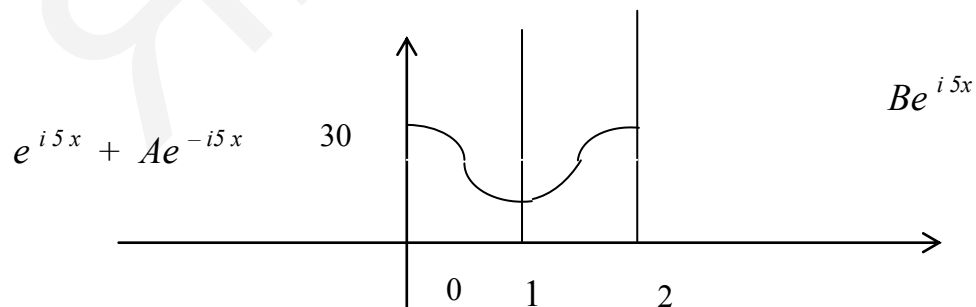
$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

$$25, \quad x \leq 0;$$

$$n(x) = 2\sin(\pi x) + 28, \quad 0 < x < 2;$$

$$25, \quad x \geq 2.$$

№12



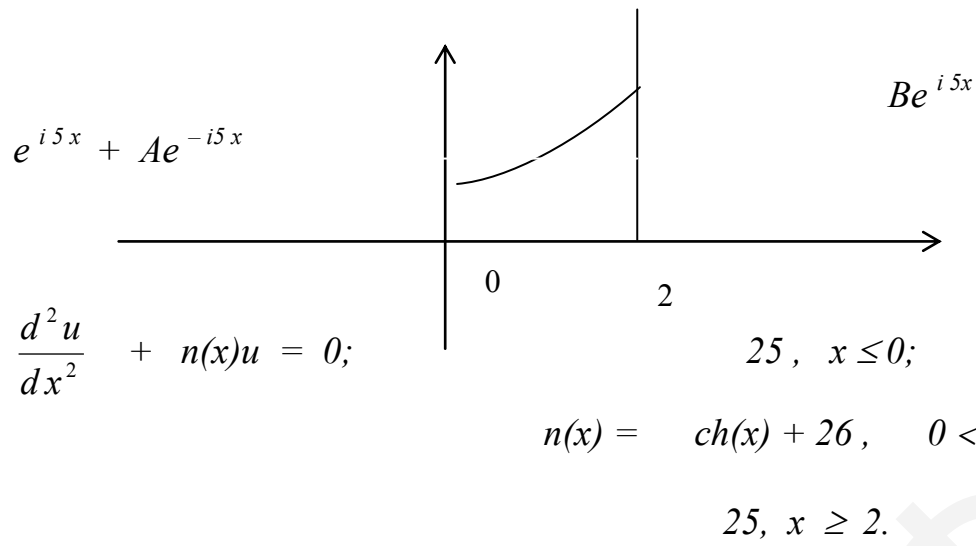
$$\frac{d^2 u}{dx^2} + n(x)u = 0;$$

$$25, \quad x \leq 0;$$

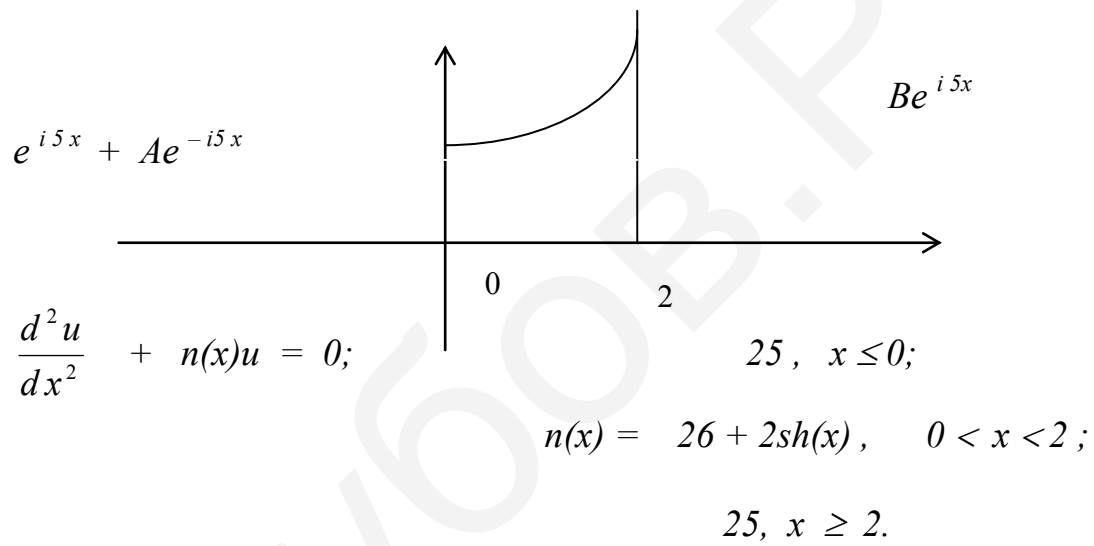
$$n(x) = 2\cos(\pi x) + 28, \quad 0 < x < 2;$$

$$25, \quad x \geq 2.$$

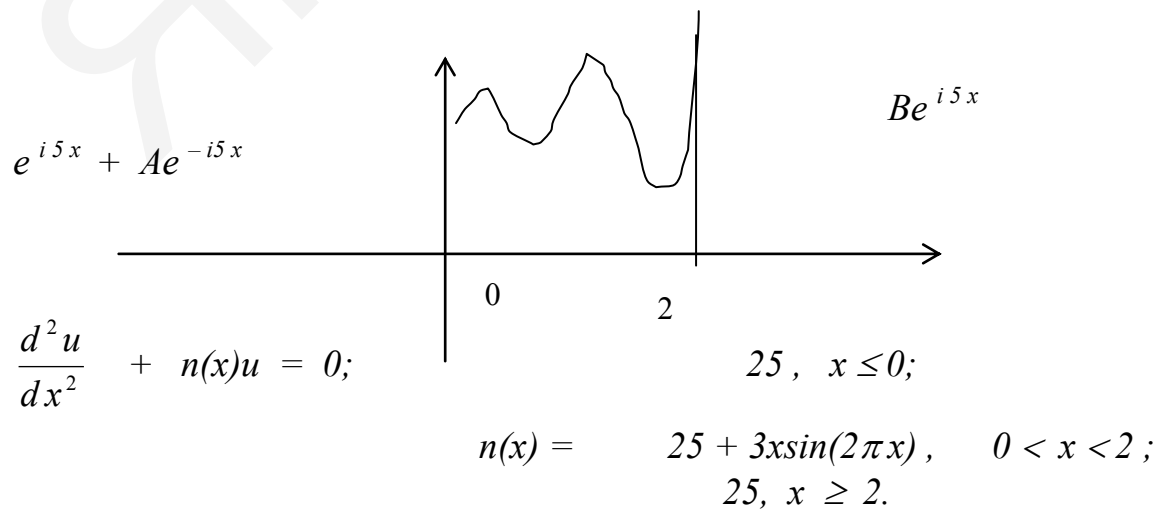
№13



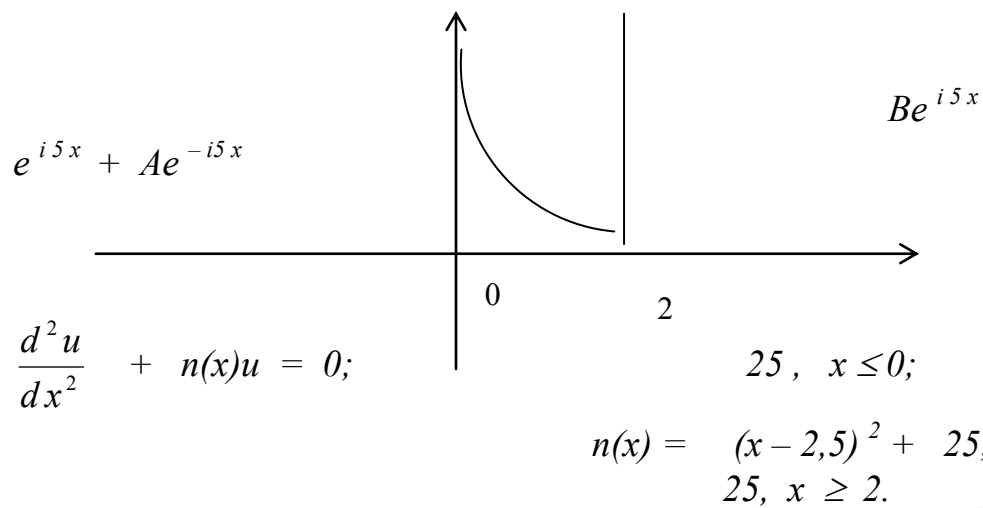
№14



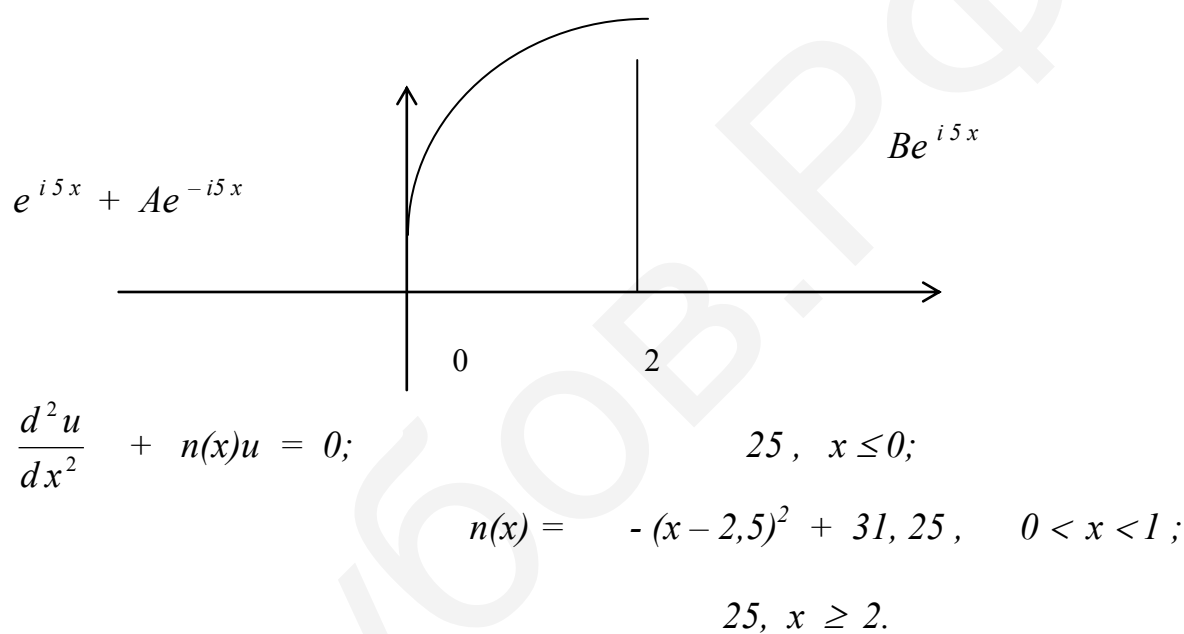
№15



№16



№17



№18

