



# Математика

## ОГЭ-2018.

### Задание №5.



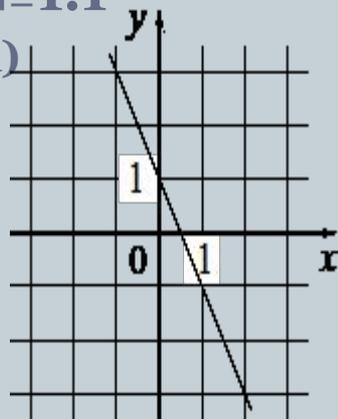
**ПОДГОТОВИЛА**  
**УЧИТЕЛЬ**  
**МАТЕМАТИКИ**  
**МОУ СЕРГИЕВСКОЙ СОШ**  
**ТАТАРИНОВА Л.А.**

# №1. Установите соответствие между графиками функций и формулами, которые их задают.

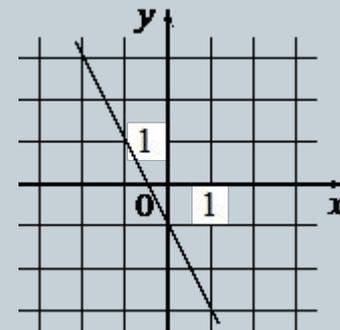
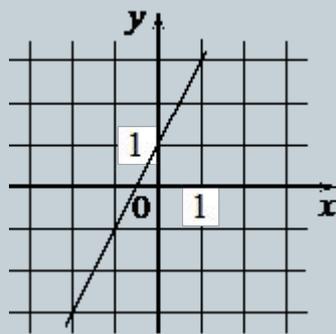


№1.1

А) Б)



В)



1)  $y = -2x - 1$

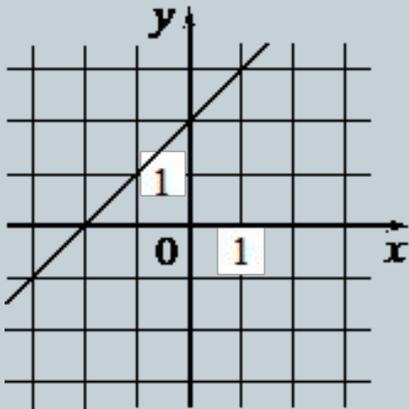
2)  $y = -2x + 1$

3)  $y = 2x + 1$

## №1.2

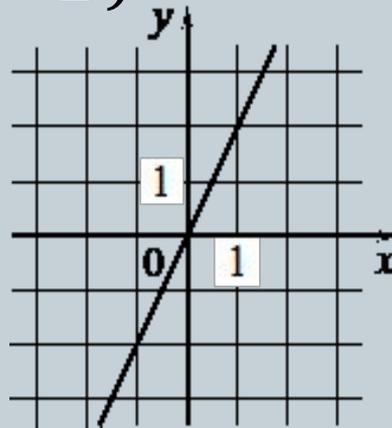


● А)



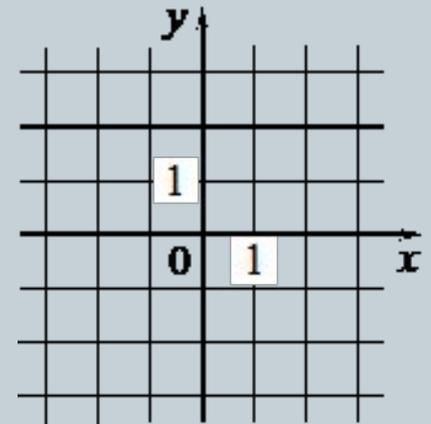
1)  $y=2x$

Б)



2)  $y=x+2$

В)

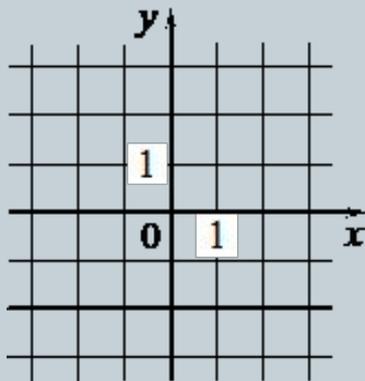


3)  $y=2$

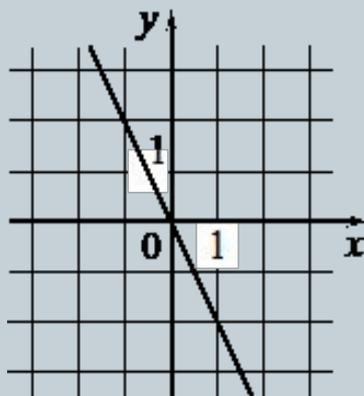
# №1.3



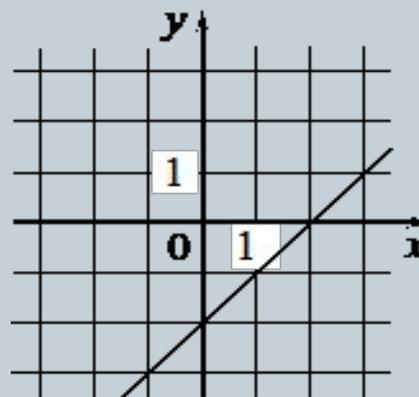
● A)



Б)



В)



1)  $y = -2$

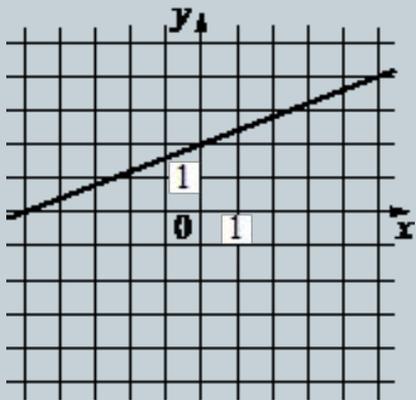
2)  $y = x - 2$

3)  $y = -2x$

# №1.4

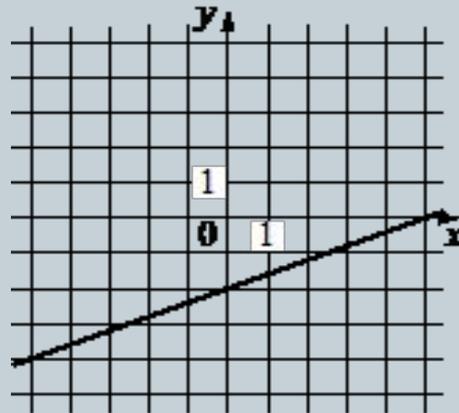


● A)



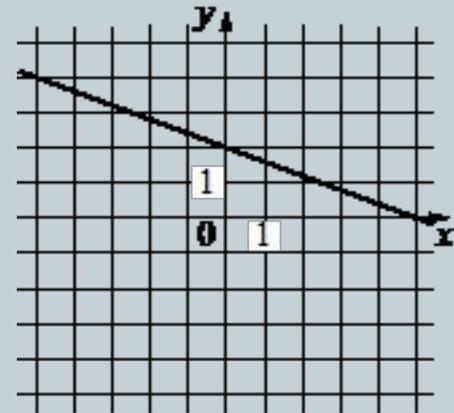
1)  $y=2/5x+2$

Б)



2)  $y=2/5x-2$

В)

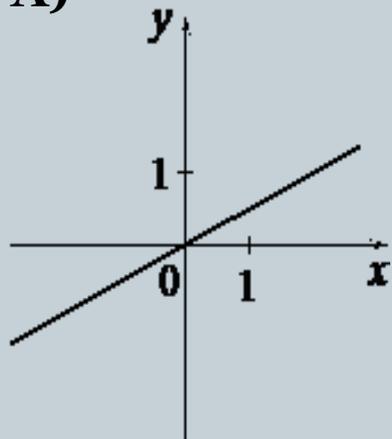


3)  $y=-2/5x+2$

## №2. Установите соответствие между графиками функций и формулами, которые их задают

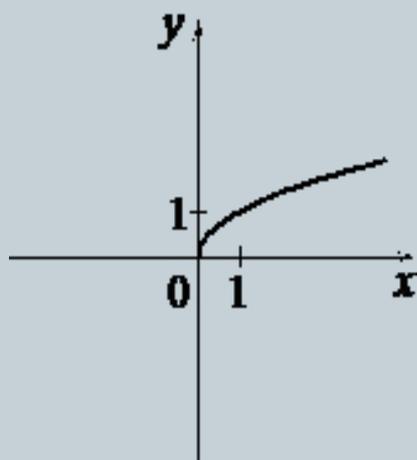
### №2.1

А)



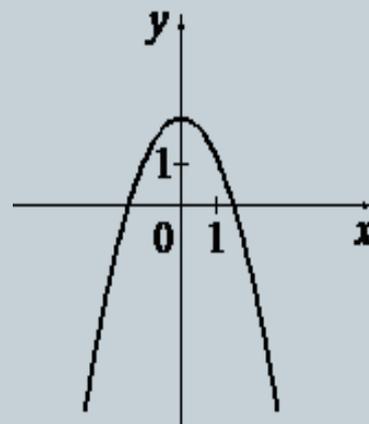
1)  $y=12x$

Б)



2)  $y=2-x^2$

В)

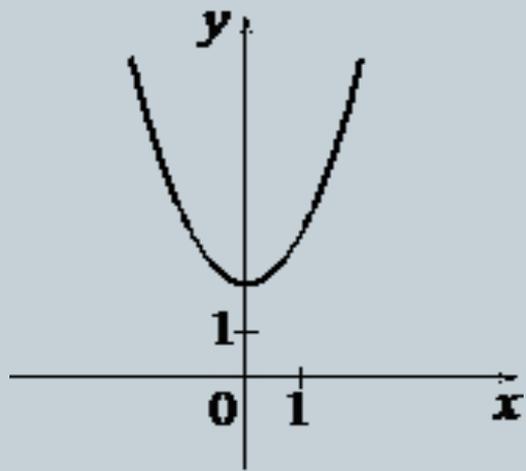


3)  $y=\sqrt{x}$

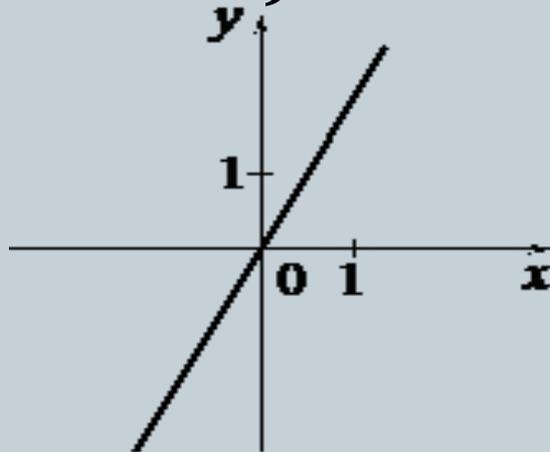
## №2.2



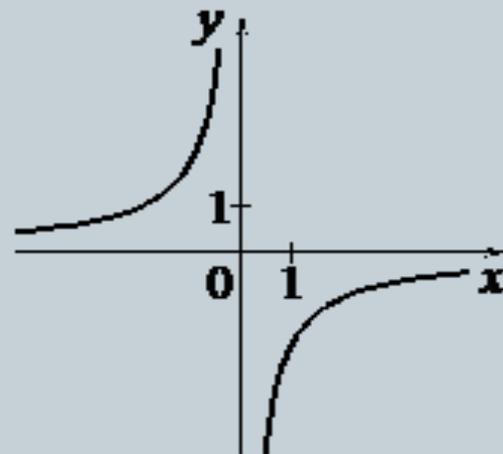
● A)



Б)



В)



● 1)  $y = x^2 + 2$

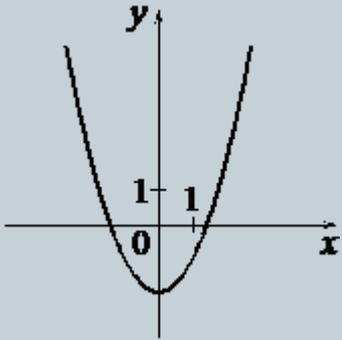
2)  $y = -2/x$

3)  $y = 2x$

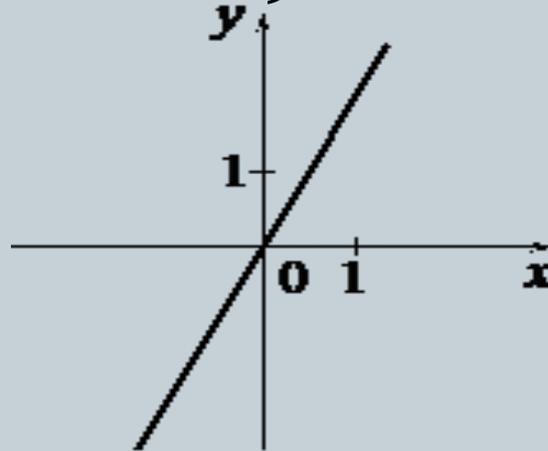
## №2.3



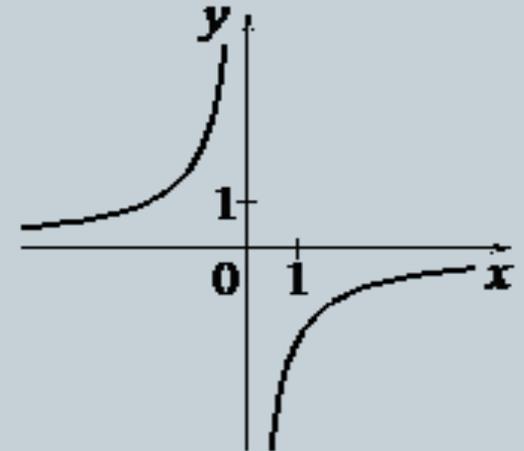
● A)



Б)



В)



● 1)  $y = x^2 - 2$

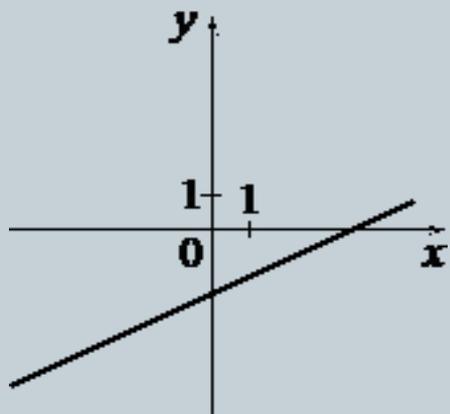
2)  $y = -2/x$

3)  $y = 2x$

## №2.4

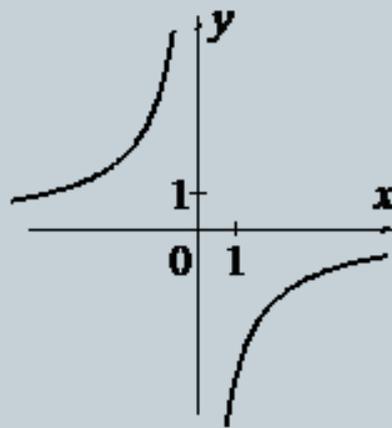


● А)



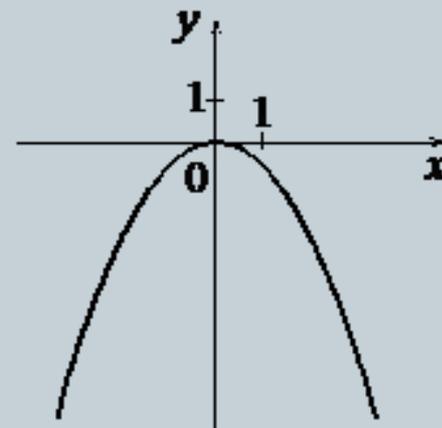
$$1) y = -6/x$$

Б)



$$2) y = -1/2 x^2$$

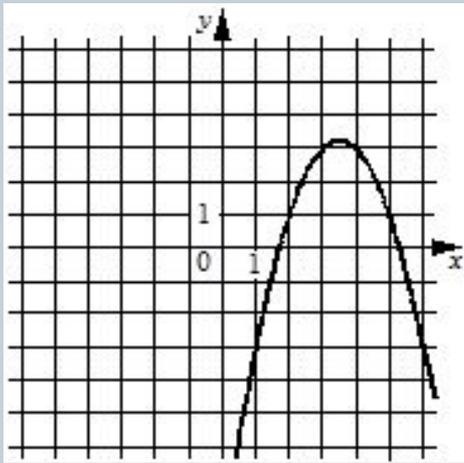
В)



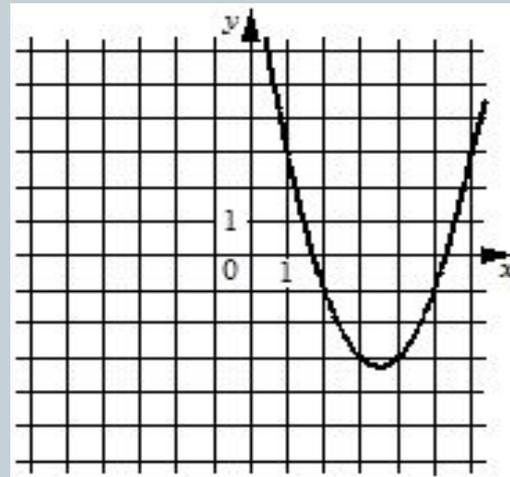
$$3) y = 1/2x - 2$$

**№3. Установите соответствие между графиками функций и формулами, которые их задают**

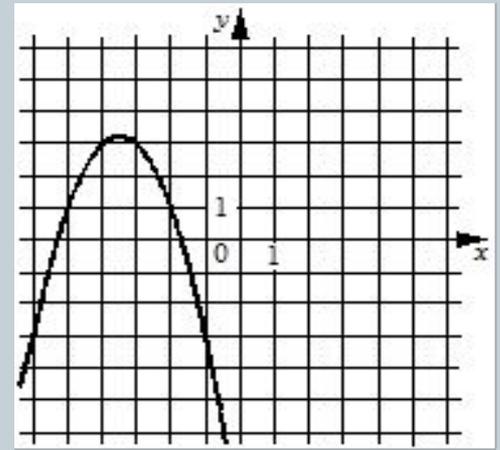
● **№3.1 А)**



**Б)**



**В)**



1)  $y = x^2 - 7x + 9$

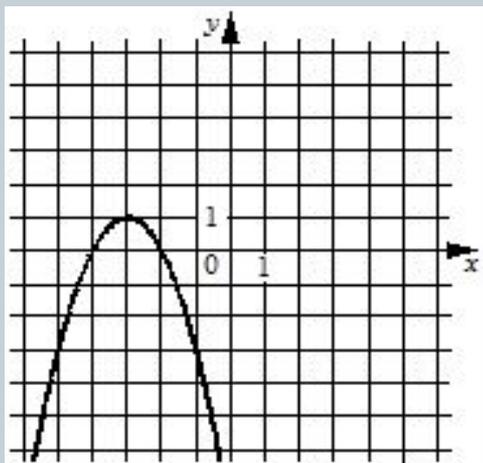
2)  $y = -x^2 - 7x - 9$

3)  $y = -x^2 + 7x - 9$

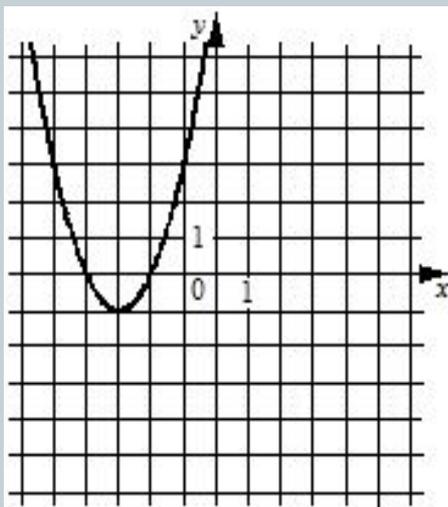
# №3.2



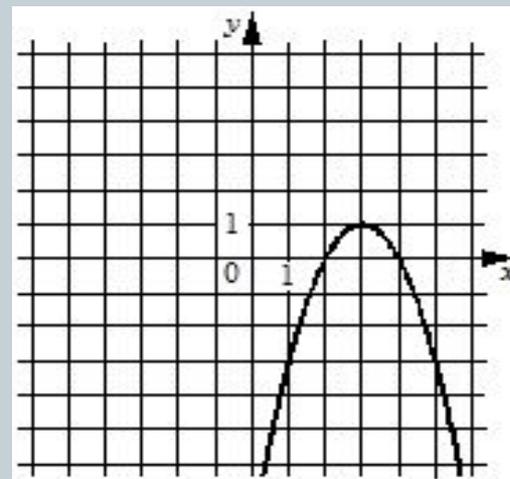
● A)



Б)



В)



1)  $y = -x^2 + 6x - 8$

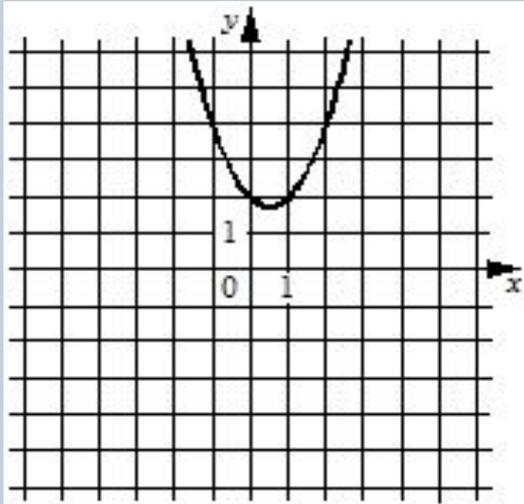
2)  $y = x^2 + 6x + 8$

3)  $y = -x^2 - 6x - 8$

# №3.3

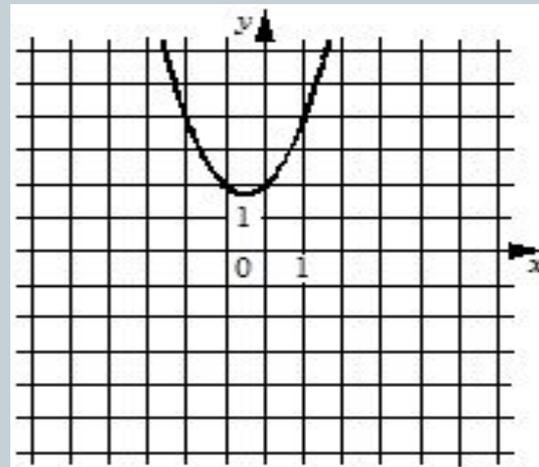


● A)



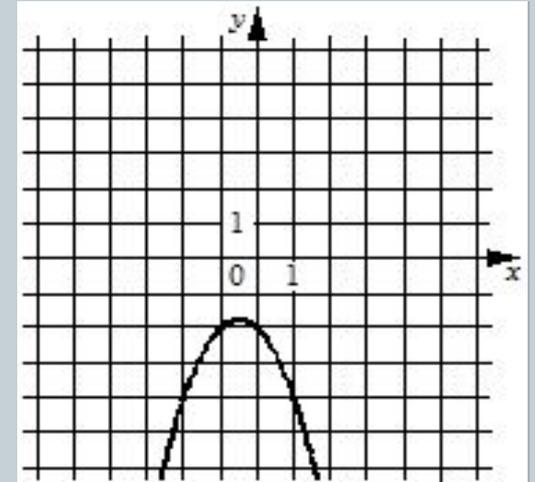
$$1) y = -x^2 - x - 2$$

Б)



$$2) Y = x^2 + x + 2$$

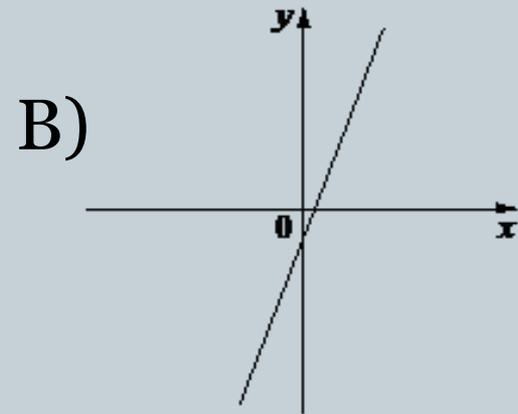
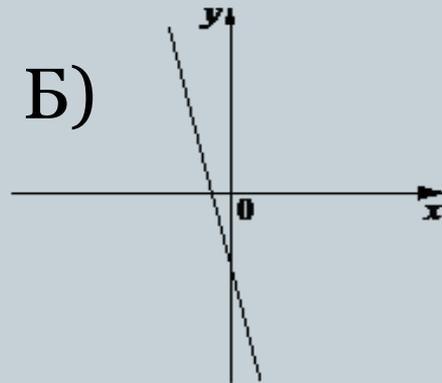
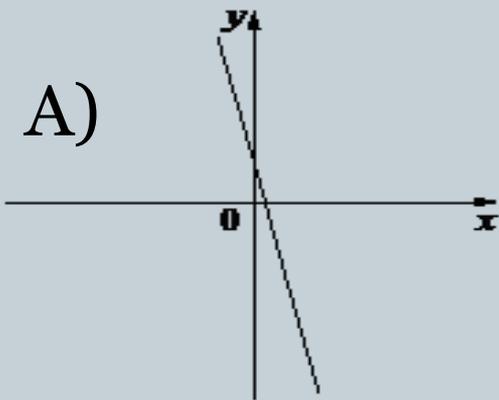
В)



$$3) y = x^2 - x + 2$$

**№4.** На рисунках изображены графики функций вида  $y=kx+b$ . Установите соответствие между знаками коэффициентов  $k$  и  $b$  и графиками функций.

**№4.1**    1)  $k < 0, b < 0$     2)  $k < 0, b > 0$     3)  $k > 0, b < 0$



## №4.2



● 1)  $k < 0, b < 0$

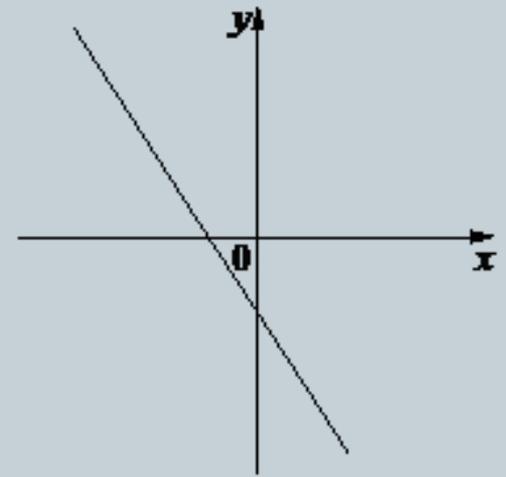
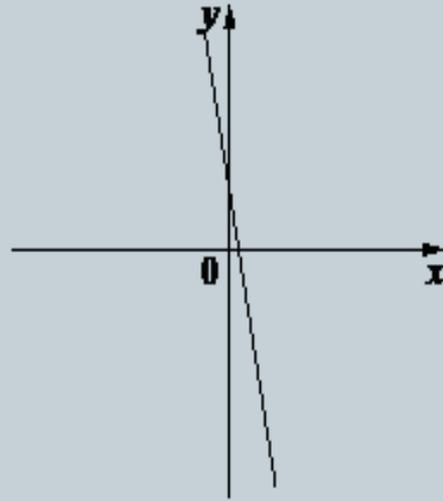
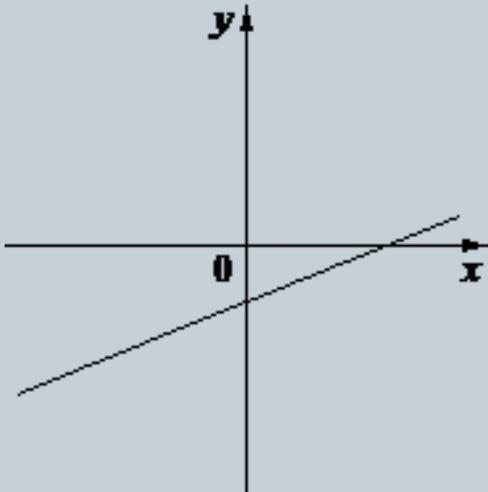
2)  $k < 0, b > 0$

3)  $k > 0, b < 0$

● A)

Б)

В)

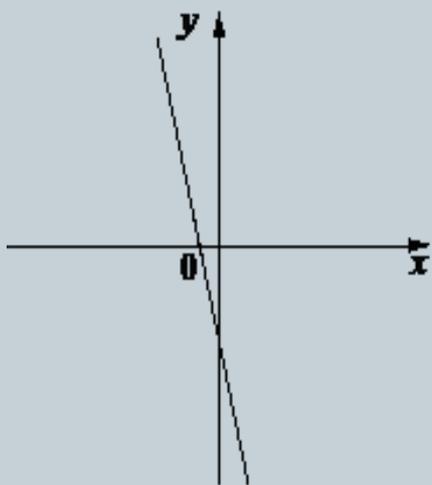


## №4.3

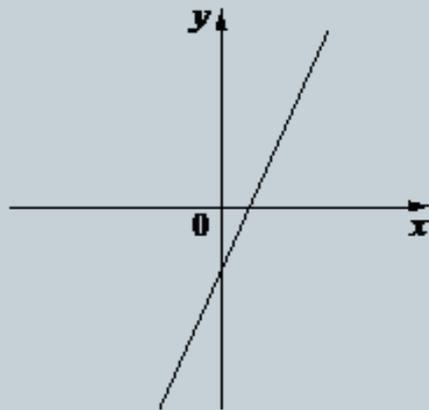


- 1)  $k > 0, b > 0$  2)  $k > 0, b < 0$  3)  $k < 0, b < 0$

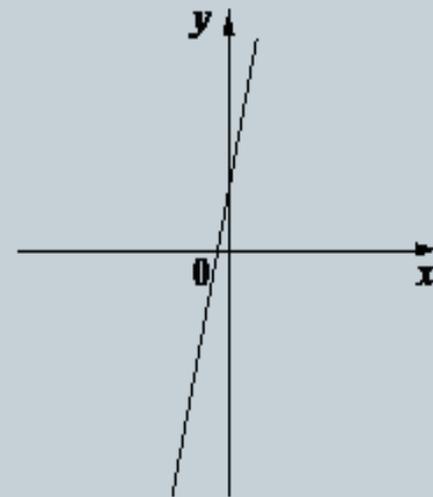
● A)



Б)



В)



# Отвѣты.



- №1. 1)231; 2)213; 3)132; 4)123.
- №2. 1)132; 2)132; 3)132; 4)312.
- №3. 1)312; 2)321; 3)321.
- №4. 1)213; 2)321; 3)321

Источник.



● ФИПИ

Открытый банк заданий ОГЭ 2018.