Добрый день!

Сегодня у Вас подготовка к контрольной работе.

Изучаем задания из презентации

Самостоятельное выполнение-: №638, 639(3,5,6), 640

(637) 2) $y = -x^2 + 3x + 10$

Ox: $y = 0$ $\quad -x^2 + 3x + 10 = 0$

$D = b^2 - 4ac$

$D = 9 + 40 = 49$

$x_{12} = \frac{-3 \pm 7}{-2}$ $\quad x_1 = -2$ $\quad x_2 = 5$

$(-2; 0)$ и $(5; 0)$

Oy: $x = 0$ $\quad y = 0 + 3 \cdot 0 + 10 = 10$

$(0; 10)$

4) $y = 7x^2 + 4x - 11$

Ox: $y = 0$ $\quad 7x^2 + 4x - 11 = 0$

$D = 16 + 4 \cdot 11 \cdot 7 = 324$

$x_{12} = \frac{-4 \pm 18}{14}$ $\quad x_1 = 1$ $\quad x_2 = -\frac{11}{7}$

$(1; 0)$ и $(-\frac{11}{7}; 0)$

Oy: $x = 0$ $\quad 7 \cdot 0^2 + 4 \cdot 0 - 11 = -11$

$(0; -11)$

5) $y = 5x^2 + x - 1$

Ox: $y = 0$ $\quad 5x^2 + x - 1 = 0$ $\quad D = 1 + 20 = 21$

$x_{12} = \frac{-1 \pm \sqrt{21}}{10}$ $\quad x_1 = \frac{-1 + \sqrt{21}}{10}$ $\quad x_2 = \frac{-1 - \sqrt{21}}{10}$

Oy: $x = 0$ $\quad 5 \cdot 0^2 + 0 - 1 = -1$

(638) 4) $y = x^2 + 4x - 5$

$x_0 = \frac{-b}{2a} = \frac{-4}{2} = -2$

$y_0 = (-2)^2 + 4 \cdot (-2) - 5 = -9$

$(-2; -9)$

5) $y = x^2 - 6x + 10$

$x_0 = \frac{-b}{2a} = \frac{6}{2} = 3$

$y_0 = 3^2 - 6 \cdot 3 + 10 = 1$

$(3; 1)$

5) $y = -2x(x+2) = -2x^2 - 4x$

$x_0 = \frac{-b}{2a} = \frac{4}{-4} = -1$

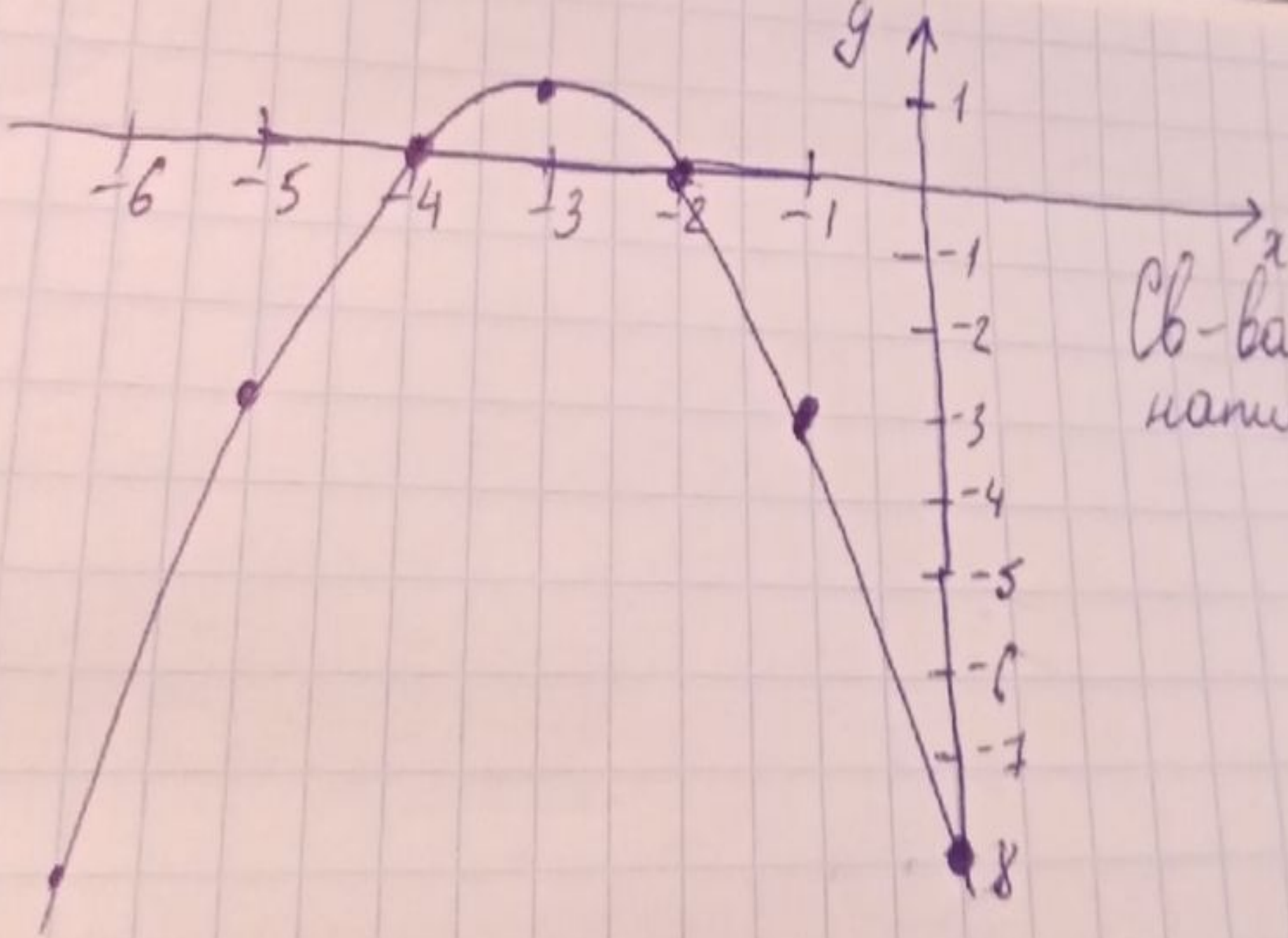
$y_0 = -2 \cdot (-1)^2 - 4(-1) = 2$

$(-1, 2)$

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

$x_0 = \frac{-b}{2a} = \frac{6}{-2} = -3 \quad y_0 = -(-3)^2 - 6(-3) - 8 = 1$

x	-6	-5	-4	-3	-2	-1	0
y	-8	-3	0	1	0	-3	-8



Св-ва

напишите сами