

Постройте график функции
 $(4x^2 - 4x + 1) / (1 - 2x)$

$$4x^2 - 4x + 1 = 0$$

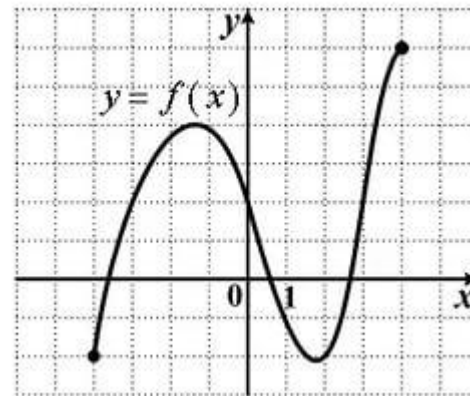
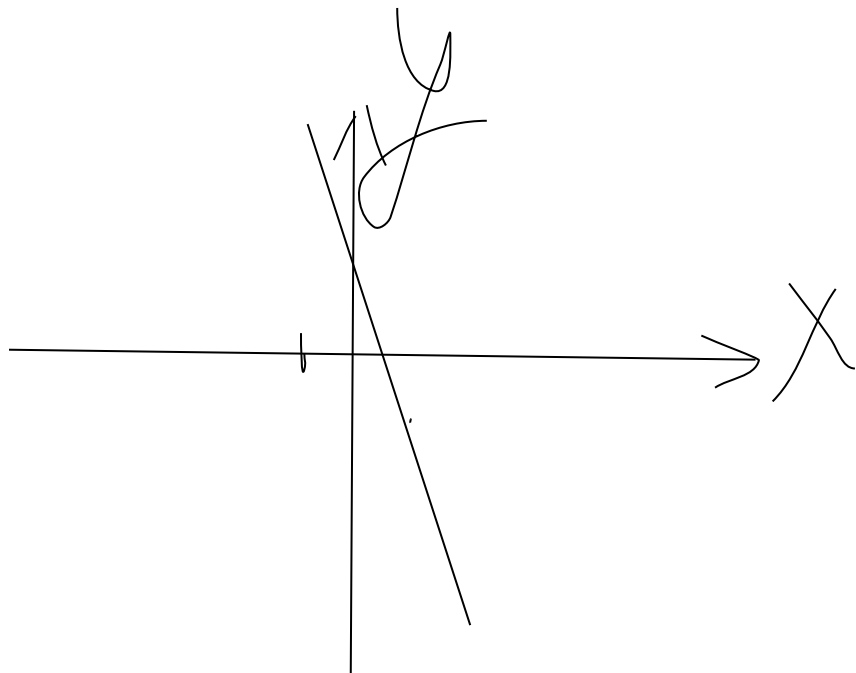
$$d = 4^2 - 4 \cdot 4 \cdot 1 = 0$$

$$4/8 = 1/2$$

$$4 \cdot (x - 1/2) \cdot (x - 1/2) = 2(x - 1/2) \cdot 2(x - 1/2) = (2x - 1)^2$$

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

$$y = 1 - 2x$$



$$ax^2 + bx + c = a \cdot (x - x_1) \cdot (x - x_2)$$

$$D = b^2 - 4ac$$

$$x_{1,2} = (-b \pm \sqrt{D}) / (2a)$$

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

$$\left((-1)(y - x) \right)^2 = (-1)^2 (y - x)^2$$