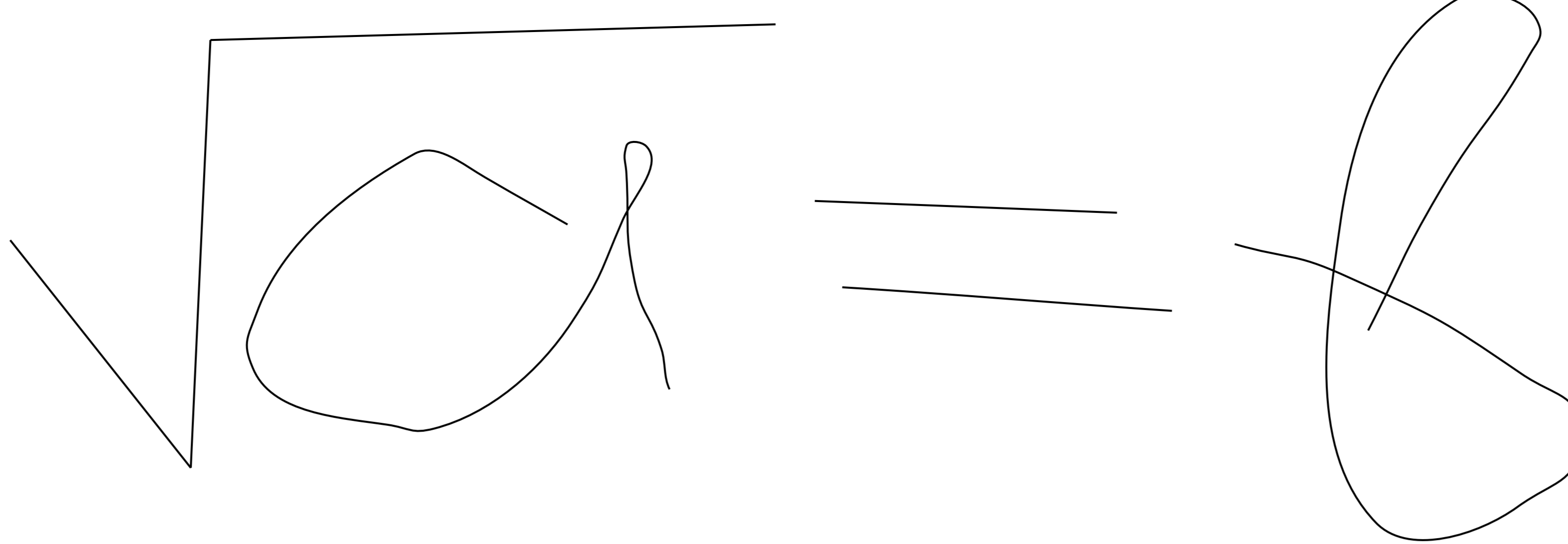


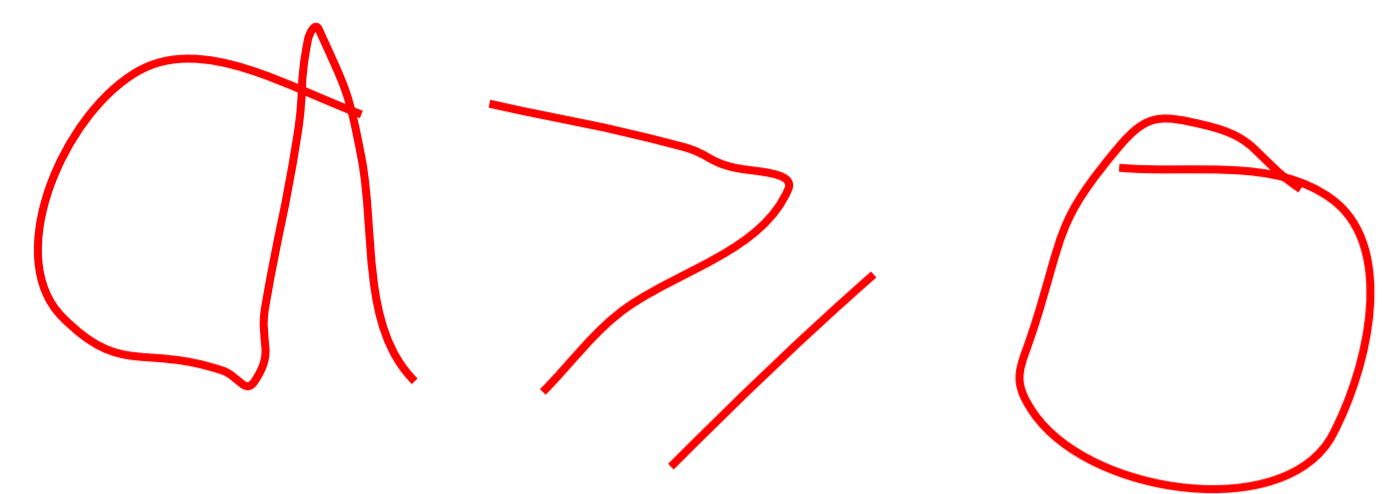
$$\sqrt[2n]{a} = b$$

2n

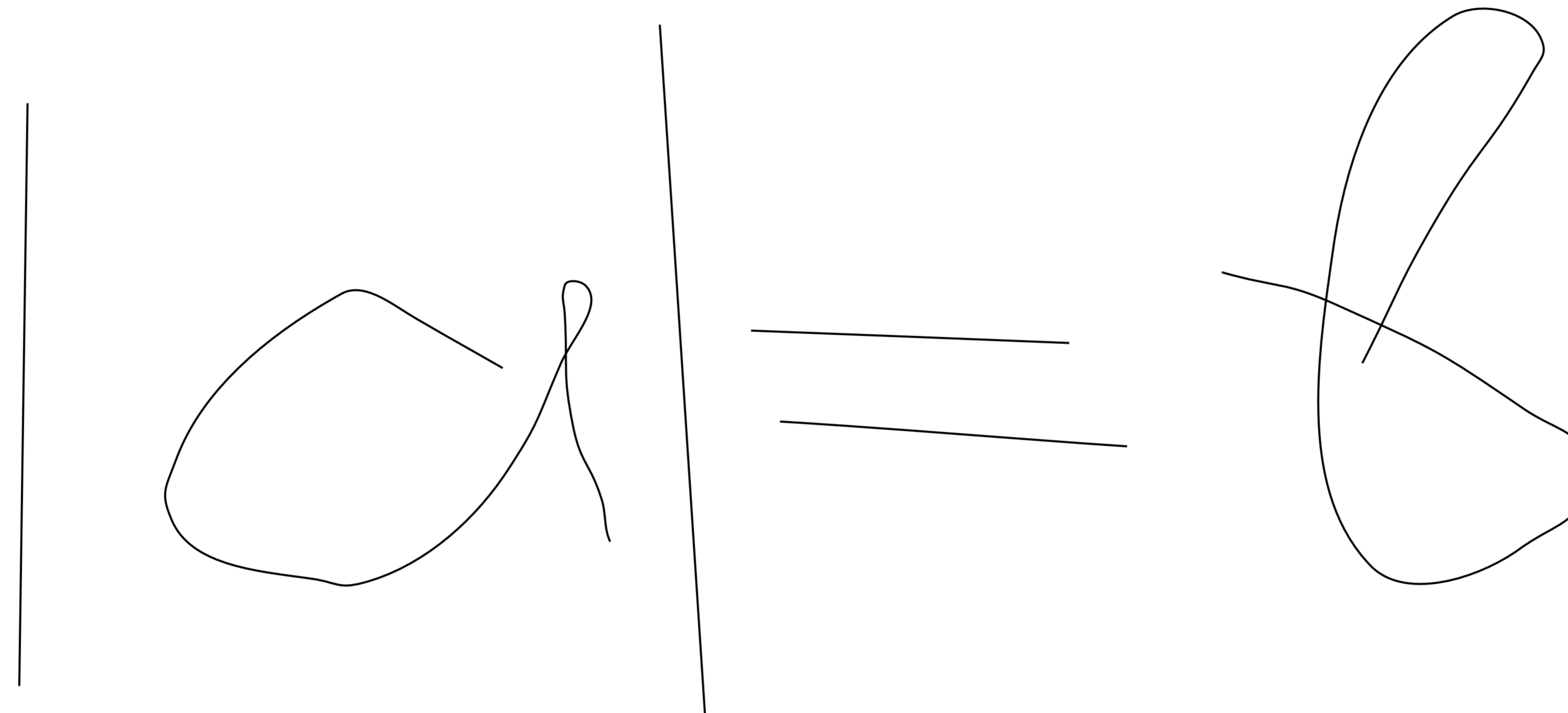


$$b \geq 0$$

$$b^{2n} = a$$



не надо требовать!!! (т.к. $a = b^{2n} \geq 0$)



$$b \geq 0$$

$$a = b$$

$$a = -b$$

$$\sqrt{5 - |1 - x^2|} = 2$$

$$5 - |1 - x^2| = 4$$

$$|1 - x^2| = 1$$

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

$$x^2 = 0$$

$$x = 0$$

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

$$x^2 = 2$$

$$x = \pm \sqrt{2}$$

Ответ: 0; $\pm \sqrt{2}$

$$\sqrt{7 - 3x} = x + 7$$

$$x + 7 \geq 0$$

$$7 - 3x = (x + 7)^2$$

$$7 - 3x = x^2 + 14x + 49$$

$$x^2 + 17x + 42 = 0$$

$$x_1 = -14$$

$$x_2 = -3$$

$$x \geq -7$$

$$x_1 = -14$$

$$x_2 = -3$$

Ответ: -3

$$\sqrt{15 + 3x} = 1 - x$$

$$1 - x \geq 0$$

$$15 + 3x = (1 - x)^2$$

$$15 + 3x = 1 - 2x + x^2$$

$$x^2 - 5x - 14 = 0$$

$$x_1 = 7$$

$$x_2 = -2$$

$$x \leq 1$$

$$x_1 = 7$$

$$x_2 = -2$$

Ответ: -2