

$$\left(\frac{13}{11}\right)^{x^2-3x} < \frac{121}{169}$$

$$\left(\frac{13}{11}\right)^{x^2-3x} < \left(\frac{11}{13}\right)^2$$

$$\left(\frac{13}{11}\right)^{x^2-3x} < \left(\frac{13}{11}\right)^{-2}$$

$$\text{III. К. } \frac{13}{11} > 1, \text{ то}$$

$$x^2 - 3x < -2$$

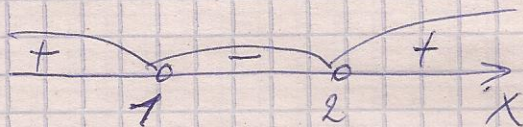
$$x^2 - 3x + 2 < 0$$

$$f(x) = x^2 - 3x + 2; f(x) = 0$$

$$x^2 - 3x + 2 = 0$$

$$D = 9 - 8 = 1$$

$$x_1 = \frac{3+1}{2} = 2; \quad x_2 = \frac{3-1}{2} = 1$$



$$x \in (1; 2)$$