

Найдите наименьшее значение функции $y = \log_3(x^2 - 6x + 10) + 2$.

$$y = \log_3(x^2 - 6x + 10) + 2$$

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

$$y' = 2x - 6 = 0$$

$$2x = 6$$

$$x = 3$$

$$y = \log_3(9 - 18 + 10) + 2 = 2$$

OTV:2