

Решить уравнения УГОЛКОМ

2) $x^4 - 5x^3 + 10x^2 - 10x + 4 = 0$

1 :1

4 : 1,2,4

+ - : 1/1 2/1 4/1

x=1

$x^4 - 5x^3 + 10x^2 - 10x + 4 \mid x-1$

$x^4 - x^3 \qquad \qquad \qquad x^3 - 4x^2 + 6x - 4$

$-4x^3 + 10x^2$

$-4x^3 + 4x^2$

$6x^2 - 10x$

$6x^2 - 6x$

$-4x + 4$

$-4x + 4$

0

$(x-1)(x^3 - 4x^2 + 6x - 4) = 0$

$(x^3 - 4x^2 + 6x - 4) = 0$

$x^3 - 4x^2 + 6x - 4 = 0$

1 :1

4:1,2,4

x=2:

$8 - 16 + 12 - 4 = 0$

$x^3 - 4x^2 + 6x - 4 \mid x-2$

$x^3 - 2x^2 \qquad \qquad \qquad x^2 - 2x + 2$

$-2x^2 + 6x$

$-2x^2 + 4x$

$2x - 4$

$2x - 4$

0



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

$D^* = 1 - 2 = -1$

no answer

answer : 1,2