Решите уравнение
$$(x^2 - 36)^2 + (x^2 + 4x - 12)^2 = 0$$
.

$$2x^{4} + 8x^{3} - 8x^{2} - 96x + 1440 = 0/:2$$

$$X^{2}+4x-12=0$$

 $D=16-4(-12)^{2}$
 $=16+48=$
 $=64$
 $X=\frac{-4+8}{2}=2$
 $X=\frac{-4-8}{2}=-6$

PA3110X ellus 124 monutern

$$(\chi - 2)(\chi + 6)$$

$$(x^{2}-36)^{2}+(x^{2}+4x-12)^{2}=0$$

$$((x-6)(x+6))^{2}+((x+6)(x-2))^{2}=0$$

$$(x-6)^{2}\cdot(x+6)^{2}+(x+6)^{2}(x-2)^{2}=0$$

$$(x+6)^{2}\cdot((x-6)^{2}+(x-2)^{2})=0$$

$$(x+6)^{2}=0 \quad (x-6)^{2}+(x-2)^{2}=0$$

$$\int_{-\infty}^{2} (a^{2} + 12x + 3) = 0$$

$$2x^{2}-12x+36+2x^{2}-12x+4=0$$

$$2x^{2}-16x+40=0/2$$

$$2x^{2}-16x+40=0/2$$

$$2x^{2}-8x+20=0/2$$

$$2x^{2}-16x+20=0/2$$

$$2x^{2}-16x+20=0/2$$

$$2x^{2}-16x+20=0/2$$

$$2x^{2}-16x+20=0/2$$

Найдите значение выражения 41a - b + 45, если $\frac{a - 6b + 5}{6a - b + 5} = 7$.

$$a-6b+5=7(6a-b+5)$$
 $a-6b+5=42a-76+35$
 $a-6b+5-92a+7b-35=0$
 $-91a+b-30=0$
 $a-6b+30=0$
 $a-6b+30=0$

Решите уравнение $x^3 + 5x^2 = 4x + 20$.

$$x^{3} + 5x^{2} - 4x - 20 = 0$$

$$x^{2}(x+5) - 4(x+5) = 0$$

$$(x^{2} - 4)(x+5) = 0$$

$$\chi^{2}-4=0$$
 $\chi^{-1}=0$
 $\chi^{-1}=0$
 $\chi^{-1}=0$

Решите уравнение
$$(x^2 - 9)^2 + (x^2 - 2x - 15)^2 = 0$$
.
 $\chi^2 - 2x - 15 = 0$
 $D = b^2 - 440$
 $D = 9 + 60$
 $-b^{\pm}\sqrt{5}$
 $\chi = \frac{2+8}{2}$
 $\chi = \frac{2-8}{2}$

$$(n+3)^{2} (n-3)^{2} + (n-5)^{2} (n+3)^{2} = 0$$

$$(n+3)^{2} \cdot ((n-3)^{2} + (n-5)^{2}) = 0$$

$$(n+3)^{2} \cdot ((n-3)^{2} + (n-5)^{2}) = 0$$

$$(n+3)^{2} + (n-5)^{2} = 0$$

$$(n-3)^{2} + (n-5)^{2} = 0$$

$$x = -3$$

$$2^{2} - 6x + 9 + x^{2} - 10x + 15 = 0$$

$$2x^{2} - 16x + 39 = 0/2$$

$$2x^{2} - 16x + 39 = 0/2$$

$$2x^{2} - 16x + 39 = 0/2$$

$$2x^{2} - 16x + 13 = 0$$

$$2x^{2} - 10x + 15 = 0$$

Решите уравнение
$$x^2 - 3x + \sqrt{6-x} = \sqrt{6-x} + 40$$
.
 $x^2 - 3 \ \mu - 40 = 0$
 $D = b^2 - 40$
 $D = 9 + 160 = 169$
 $C = \frac{-b \pm 3D}{2}$
 $C = \frac{3 + 13}{2} = 8$
 $C = \frac{3 - 13}{2} = -5$