7) {(x+1)/(x−2)}^ 2 + (x+1)/ (x−4) = 12 ∗ {(x−2)/(x−4)}^ 2

{(x+1)/(x−2)}^ 2 + (x+1)/ (x−4)- 12 {(x−2)/(x−4)}^ 2=0 |: {(x−2)/(x−4)}^2

{(x+1)/(x−2)}^ 2/{(x−2)/(x−4)}^ 2 + ((x+1)/ (x−4))/{(x−2)/(x−4)}^ 2- 12=0

(x+1)^2 (x−4)^2/(x−2)^4 + (x+1)(x−4)/(x−2)^2 - 12=0

y=(x+1)(x−4)/(x−2)^2

y^2+y-12=0

y1=-4

y2=3

(x+1)(x−4)/(x−2)^2=-4

(x^2-4x+x-4)/(x−2)^2+4=0

[x^2-4x+x-4+4(x−2)^2]/(x−2)^2=0

[x^2-4x+x-4+4x^2−16x+16]/(x−2)^2=0

[-19x+5x^2+12]/(x−2)^2=0

5x^2-19x+12=0

D=361-12*20=361-240=121

x1=(19+11)/10=3

x2=(19-11)/10=8/10=⅘

(x^2-4x+x-4)/(x−2)^2-3=0

[x^2-4x+x-4-3(x−2)^2]/(x−2)^2=0

[-2x^2+9x-16]/(x−2)^2=0

2x^2-9x+16=0

D=81-8*16=81-1..

корней нет

Ответ: 3;4/5

(a/b)^2+a/c - 12(d/c)^2=0

a^2/b^2+a/c - 12(d^2/c^2)=0

a^2/b^2+a/c - (12d^2)/c^2=0

a^2c^2/b^2c^2+ab^2c/b^2c^2 - (12d^2)b^2/b^2c^2=0

[a^2c^2+ab^2c - (12d^2)b^2]/b^2c^2=0