Деление на x^2

1) (2x^2 − 3x + 1)(2x^2 + 5x + 1) = 9x^2

1) (2x− 3+ 1/x)(2x + 5 + 1/x) = 9

2x+1/x=y

1) (y- 3)(y+5) = 9

y^2+2y-15=9

y^2+2y-24=0

y1=-6

y2=4

2x+1/x=-6

2x+1/x+6=0

2x^2+6x+1=0

d=36-8=28

x1=(-6+v28)/4

x2=(-6-v28)/4

2x+1/x=4

2x-4+1/x=0

2x^2-4x+1=0

d=16-8=8

x1=(2+v2)/2

x2=(2-v2)/2

(x + 2)(x + 3)(x + 8)(x + 12) = 4x^2

(x^2+14x+24)(x^2+11x+24)=4x^2

(x+14+24/x)(x+11+24/x)=4

y=x+24/x

(y+14)(y+11)=4

y^2+25y+154=4

y^2+25y+150=0

y1=-15

y2=-10

x+24/x=-15

x+15+24/x=0

x^2+15x+24=0

d=225-96=129

x1=(-15+v129)/2

x2=(-15-v129)/2

x+24/x=-10

x+10+24/x=0

x^2+10x+24=0

x1=-6

x2=-4

ответы:-6,-4,(-15-v129)/2,(-15+v129)/2.