$$\lim_{x\to3}\frac{\sqrt{x+6}-\sqrt{10x-21}}{5x-15}$$

lim[x->3]((V(x+6)-V(10x-21))/(5x-15)=

$$\lim_{x\to-2}\frac{x^2+x-2}{\sqrt{x+6}-2}$$

lim[x->-2](x^2+x-2)/(V(x+6)-2)=

1. $F(x)=\dfrac{2x^2+x-3}{x^3-2x+1}$, $a=1$;

2. $F(x)=\dfrac{\sqrt{x+21}-5\sqrt{x-3}}{x^3-64}$, $a=4$;

$$F(x)=\sqrt{x^2+x+1}-\sqrt{x^3-x+1},\ a=+\infty.$$

1) (2x^2+x-3)/(x^3-2x+1)=

2) (V(x+21) - 5V(x-3))/(x^3-64)

3) (Vx^2+x+1) - V(x^3- x +1)=