

$$(x-2)\cdot(x-3)=0 \tag{1}$$

$$x^2-5x+6=0 \tag{2}$$

$$\begin{cases} x^2+y^3=5 \\ x-y=-1 \end{cases} \tag{3}$$

$$\lim_{x\rightarrow 1-0}\frac{1}{x-1} \tag{4}$$

$$\lim_{x\rightarrow 1+0}\frac{1}{x-1} \tag{5}$$

$$\sin^2x+\cos^2x=1 \tag{6}$$

$$y''_I=y''_{II} \tag{7}$$

$$(a-b)^2=a^2-2ab+b^2 \tag{8}$$

$$y=\frac{x-1}{x-2} \tag{9}$$

$$\int x^2dx=\frac{x^3}{3}+C \tag{10}$$