

문제유형 1

$$\sqrt{a^2}=|a|=\begin{cases}a & (a\geq 0) \\ -a & (a< 0)\end{cases}$$

문제유형 2

$$\frac{c}{\sqrt[3]{a}\pm \sqrt[3]{b}}=\frac{c(\sqrt[3]{a^2}\mp \sqrt[3]{ab}+\sqrt[3]{b^2})}{a\pm b}$$

문제유형 3

$$\overline{AB}=\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$$

문제유형 4

$$\tan A=\frac{1}{\tan (90^{\circ}-A)}=\frac{1}{\tan \theta}$$

문제유형 5

$$\sum_{k=1}^nk^2=1^2+2^2+3^2+\cdots +n^2=\frac{1}{6}n(n+1)(2n+1)$$

문제유형 6

$$f'(x)=\lim_{\triangle x\rightarrow 0}\frac{\triangle y}{\triangle x}=\lim_{\triangle x\rightarrow 0}\frac{f(x+\triangle x)+f(x)}{\triangle x}$$