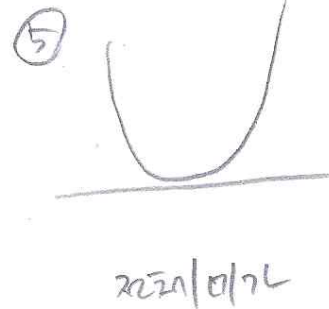
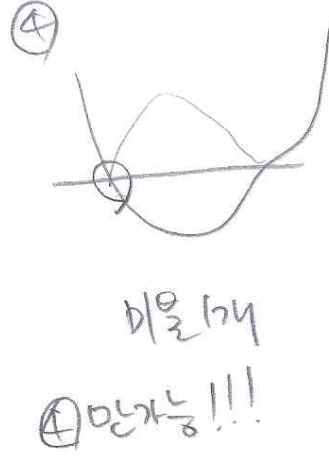
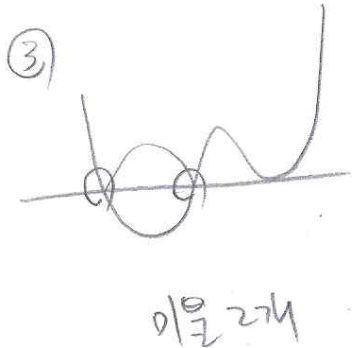
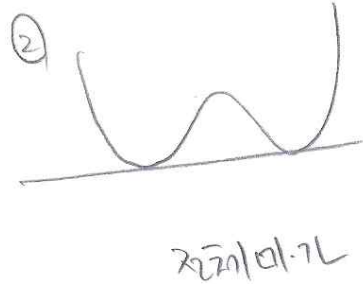
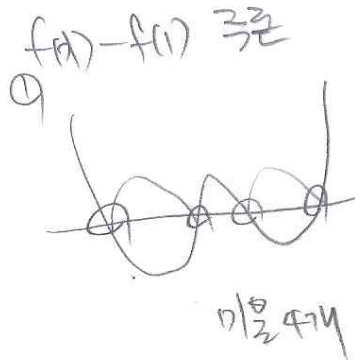
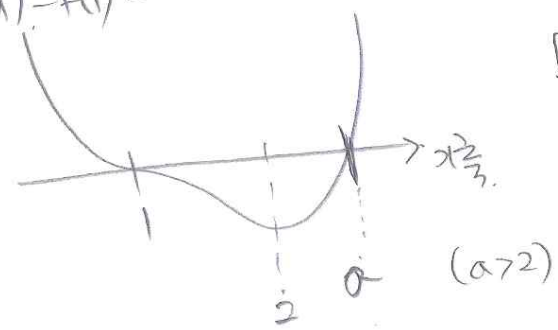


⑦ 사분면상  $f(x)$   $\frac{f'(5)}{f'(3)} = ?$

⑦  $f(x)$   $x=2$  에서 극값 가진다.  
 ④  $|f(x)-f(1)|$   $x=1$  에서  $(a>2)$  미분가능 X



$x=1$  은 항해  $f(x)-f(1)=0$  의 근이다!!!



$$f(x)-f(1) = k(x-1)^3(x-a)$$

당시  $f'(2)=0$  이다

$$f(x) = 2k(x-1)^2(x-a) + k(x-1)^3$$

$$f'(2) = 2k(2-a) + k = 0 \quad a = \frac{7}{3}$$

$$\frac{f'(5)}{f'(3)} = \frac{2k(6 - \frac{7}{3}) + 64k}{2k \cdot 4(3 - \frac{7}{3}) + 8k} = 12$$

답 12