

다항함수 공식 모음

ver 1.0 by JY

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<https://p4per.dev/polynomial.pdf>

Update

v0.2 3차 접선 넓이 공식 $^3 \rightarrow ^4$

사각형에 접하는 3/4차 넓이 공식 추가

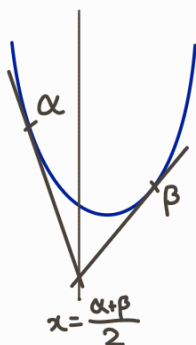
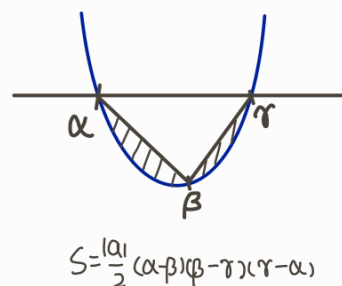
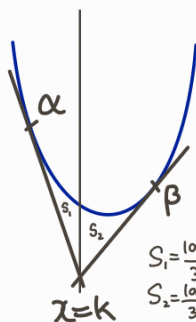
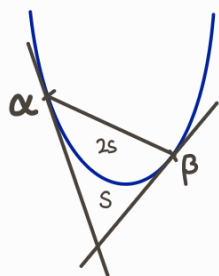
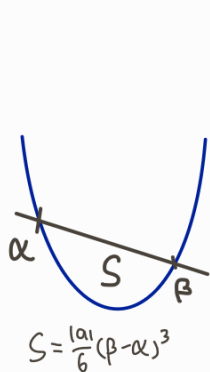
v1.0 개형별 분류

3·4차 함수 공식 추가

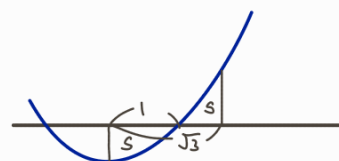
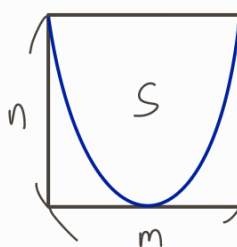
v1.1 3차 함수 동일근격 $2s = \frac{|a|}{4} \rightarrow s = \frac{|a|}{4}$

$$f(x) = ax^2 + \dots$$

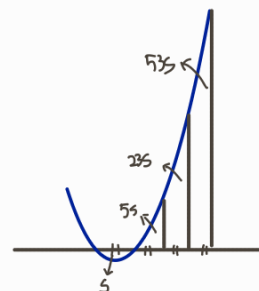
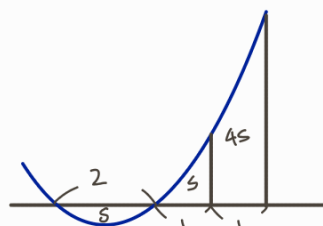
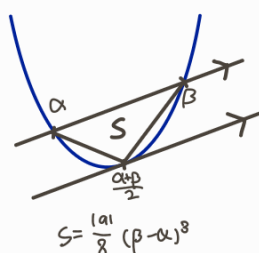
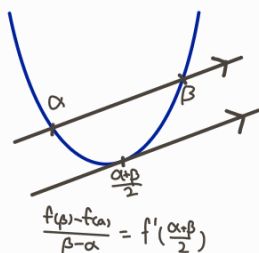
두 점에서 만날 때 ()




기타

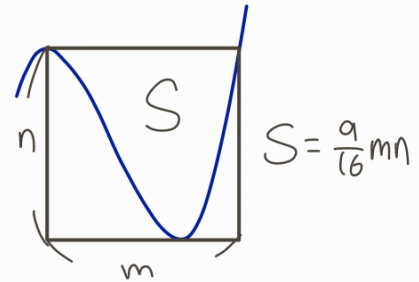
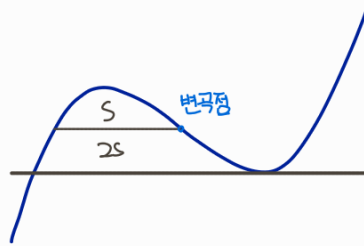
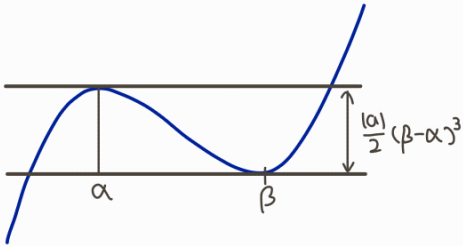
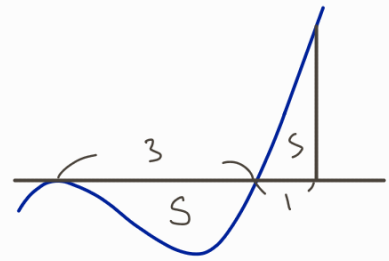
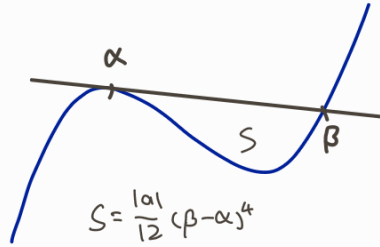
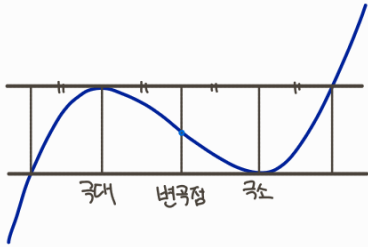


평행한 접선 ()

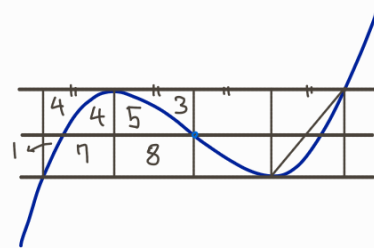
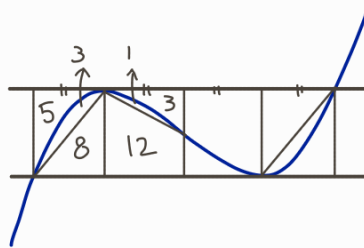
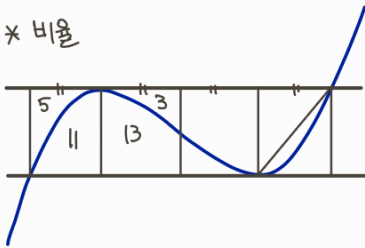


$$f(x) = ax^3 + \dots$$

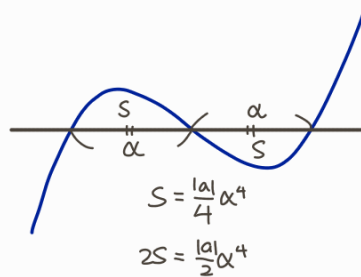
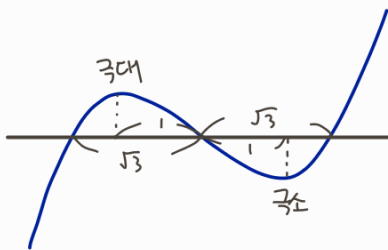
한 점에서 접할 때 ()



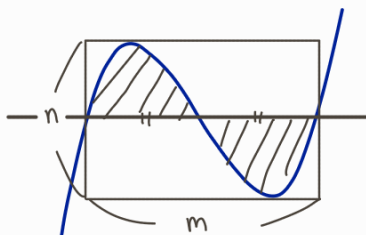
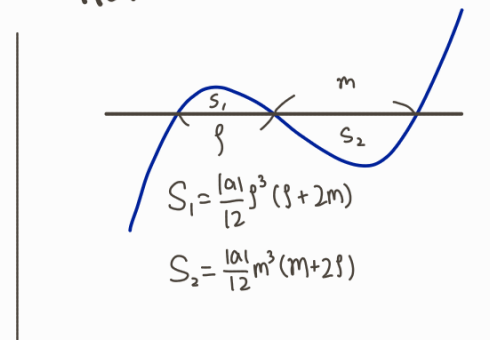
* 비율



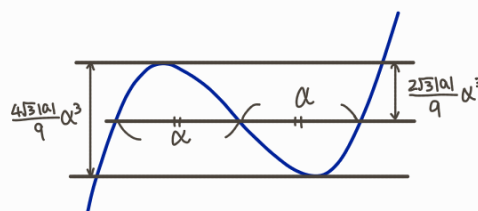
세 점에서 만날 때 (동일 간격)



기타

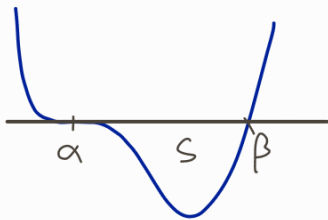


$$S = \frac{3\sqrt{3}}{16}$$

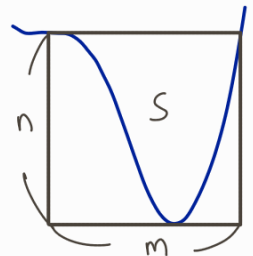
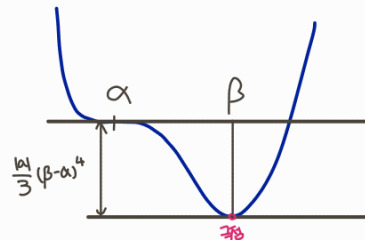
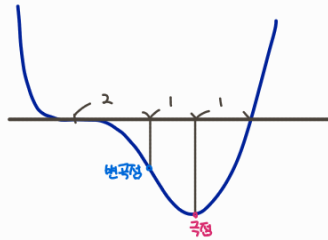


$$f(x) = 0x^4 + \dots$$

삼중근

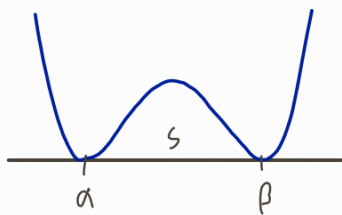


$$S = \frac{|a|}{20} (\beta - \alpha)^5$$

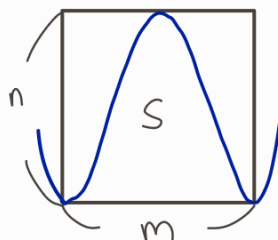
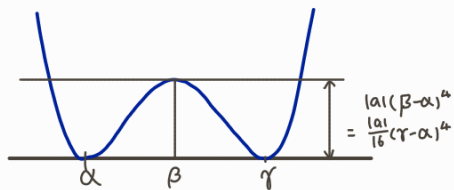
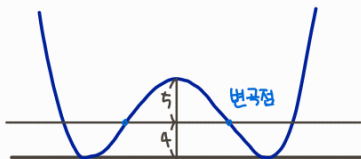
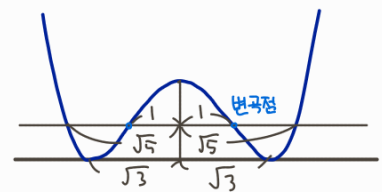
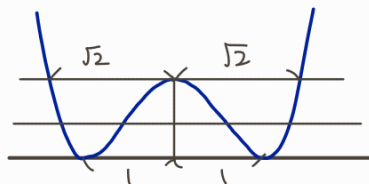


$$S = \frac{64}{135} mn$$

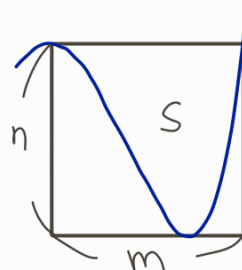
이중접선



$$S = \frac{|a|}{30} (\beta - \alpha)^5$$



$$S = \frac{8}{15} mn$$



$$S = \frac{8}{15} mn$$