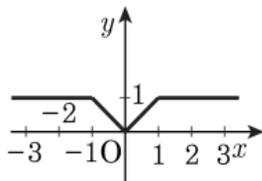
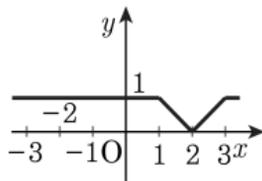


1. 실수 전체의 집합에서 정의된 두 함수 f, g 가 각각 $f(x) = \begin{cases} 1 & (|x| \geq 1) \\ |x| & (|x| < 1) \end{cases}$, $g(x) = x - 2$ 일 때, 합성함수 $f \circ g$ 의 그래프는 ?

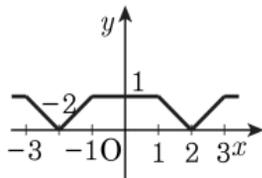
①



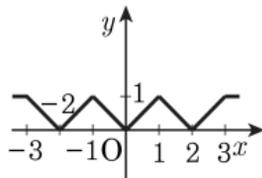
②



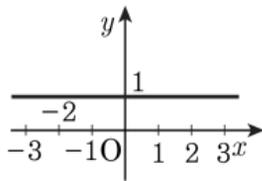
③



④

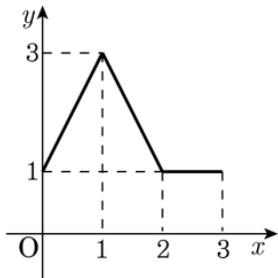


⑤

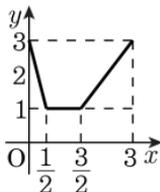


2. 함수

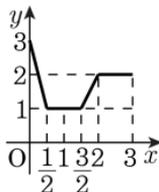
$y = f(x)$ ($0 \leq x \leq 3$)의 그래프가 그림과 같을 때, 합성함수 $y = (f \circ f)(x)$ ($0 \leq x \leq 3$)의 그래프는 무엇인가?



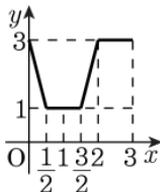
①



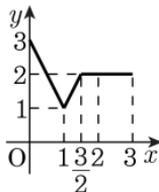
②



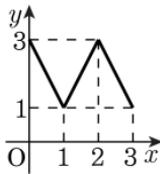
③



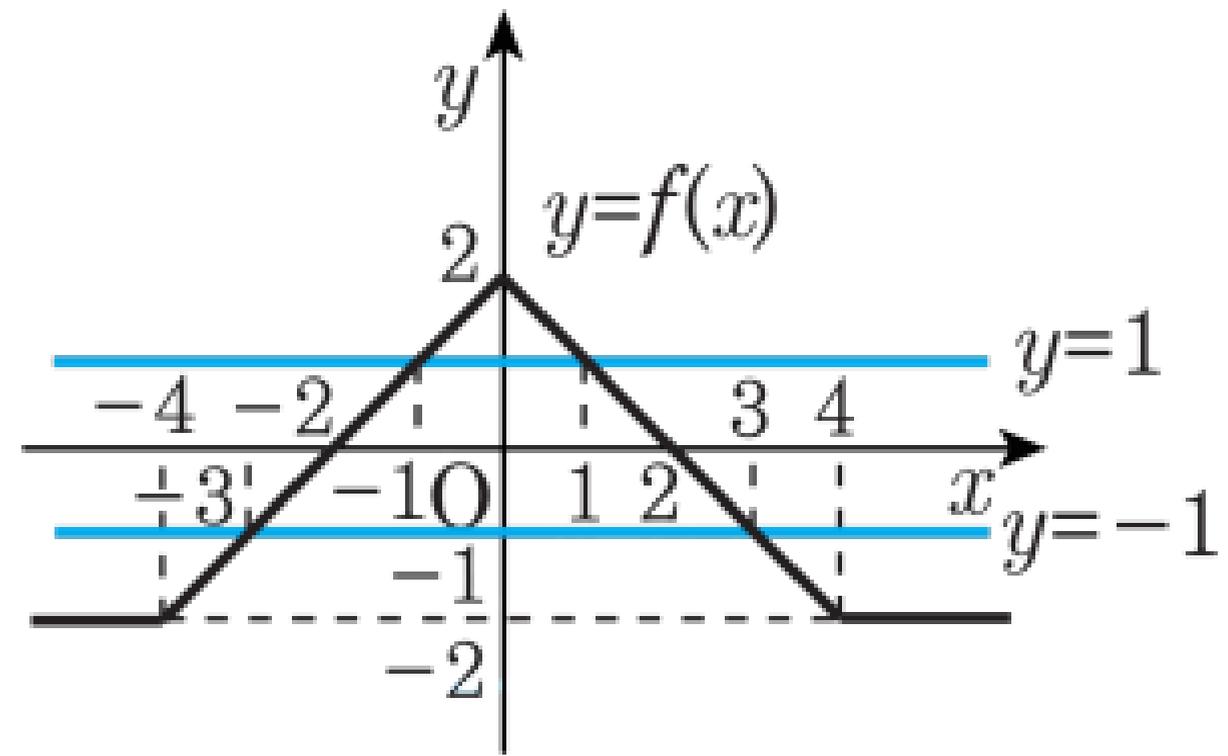
④



⑤



3. 함수 $y = f(x)$ 의 그래프가 다음 그림과 같을 때, $(f \circ f)(x) = 1$ 을 만족하는 모든 x 의 값의 곱은?



- ① -3
- ② -1
- ③ 3
- ④ 6
- ⑤ 9