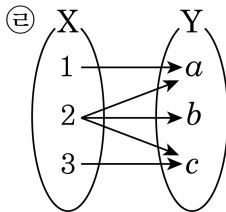
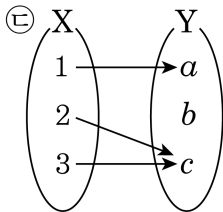
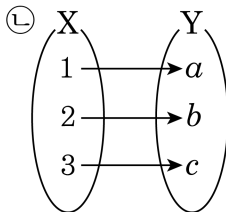
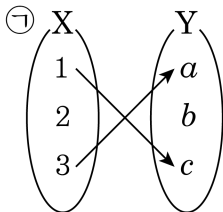


1. 다음 대응 관계 중 X 에서 Y 로의 함수인 것을 모두 고른 것은?



① ㉠, ㉡

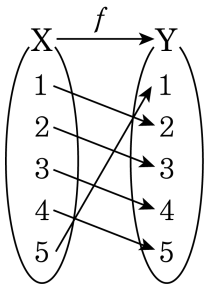
② ㉠, ㉢

③ ㉡, ㉢

④ ㉠, ㉢, ㉣

⑤ ㉡, ㉢, ㉣

2. 다음 그림과 같이 집합 $X = \{1, 2, 3, 4, 5\}$ 이고, 함수 $f : X \rightarrow X$ 에 대하여 $(f \circ f)(a) = 3$ 이 되는 a 의 값은?



① 1

② 2

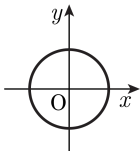
③ 3

④ 4

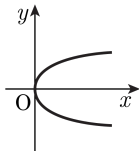
⑤ 5

3. 다음 그래프 중 역함수가 존재하는 함수의 그래프가 될 수 있는 것은?

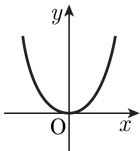
①



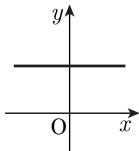
②



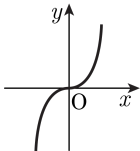
③



④



⑤



4. 함수 $y = -x - 1$ 의 역함수의 그래프에서 x 절편을 a , y 절편을 b 라 할 때, ab 의 값은 얼마인가?

① -2

② -1

③ 1

④ 2

⑤ 3