

1. 이차함수 $f : R \rightarrow R$ 에서 $f(x) = \frac{1}{2}x^2 - x + 1$ 이다. $f(2a) = 2a - 1$ 일 때, 상수 a 의 값은? (단, R 은 실수)

① 1

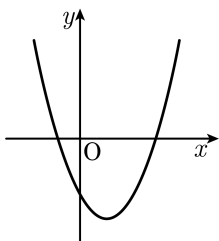
② 2

③ 3

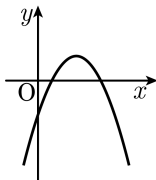
④ 4

⑤ 5

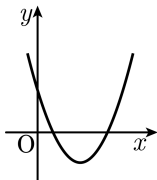
2. 이차함수 $y = ax^2 + bx - c$ 의 그래프가 다음
그림과 같을 때, $y = cx^2 + bx + a$ 의 그래프는?



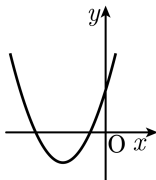
①



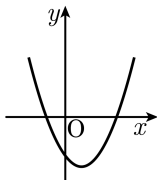
②



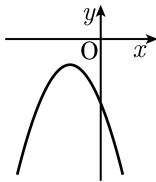
③



④



⑤



3. 이차함수 $y = -2x^2 + 4mx + m - 1$ 의 최댓값을 M 이라 할 때, M 의 최솟값은?

① $-\frac{7}{2}$

② -2

③ $-\frac{9}{8}$

④ 3

⑤ $\frac{10}{3}$