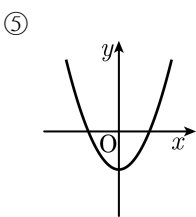
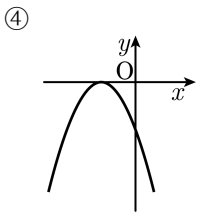
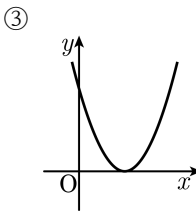
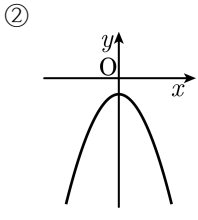
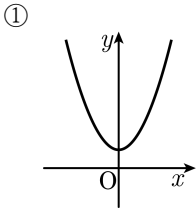
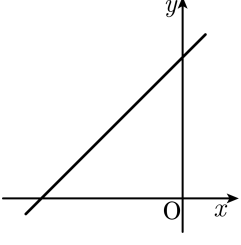
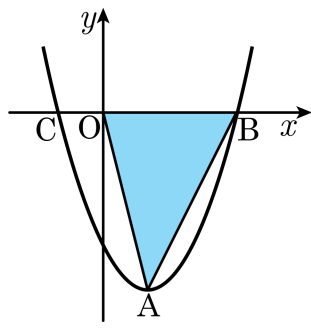


1. 일차함수 $y = ax + b$ 의 그래프가 다음 그림과 같을 때, 다음 중 이차함수 $y = ax^2 + b$ 의 그래프의 개형은?

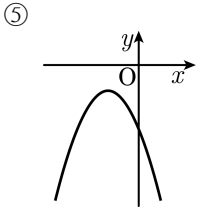
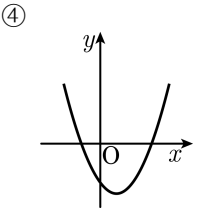
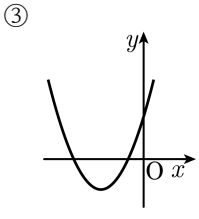
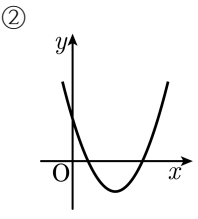
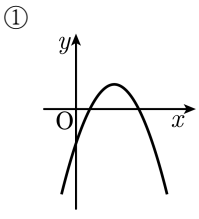
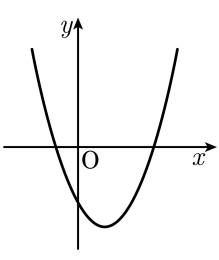


2. 다음 포물선 $y = x^2 - 2x - 3$ 의 꼭짓점을 A 라 하고, x 축과의 교점을 B, C 라 할 때, $\triangle ABO$ 의 넓이는?

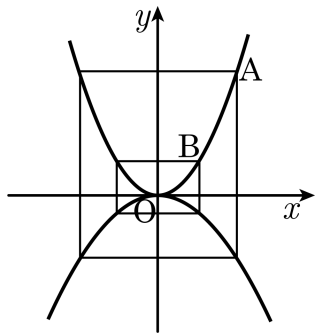


- ① 16 ② 8 ③ 12 ④ 6 ⑤ 10

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

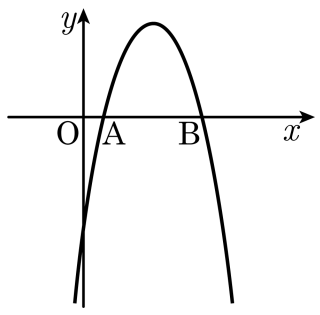


4. 다음 그림과 같이 두 함수 $y = x^2$, $y = -\frac{1}{2}x^2$ 에 대하여 두 직사각형이 서로 다른 닮음이다. A의 x 좌표를 a , B의 x 좌표를 b 라 할때, ab 의 값을 구하면?



- ① $\frac{4}{9}$ ② $\frac{16}{9}$ ③ $\frac{3}{2}$ ④ $\frac{5}{3}$ ⑤ $\frac{1}{4}$

5. 다음은 이차함수 $y = -x^2 + 6x + k$ 의 그래프이다. $\overline{AB} = 4$ 일 때, 이 이차함수의 최댓값은?



- ① 1 ② 2 ③ 3 ④ 4 ⑤ 5