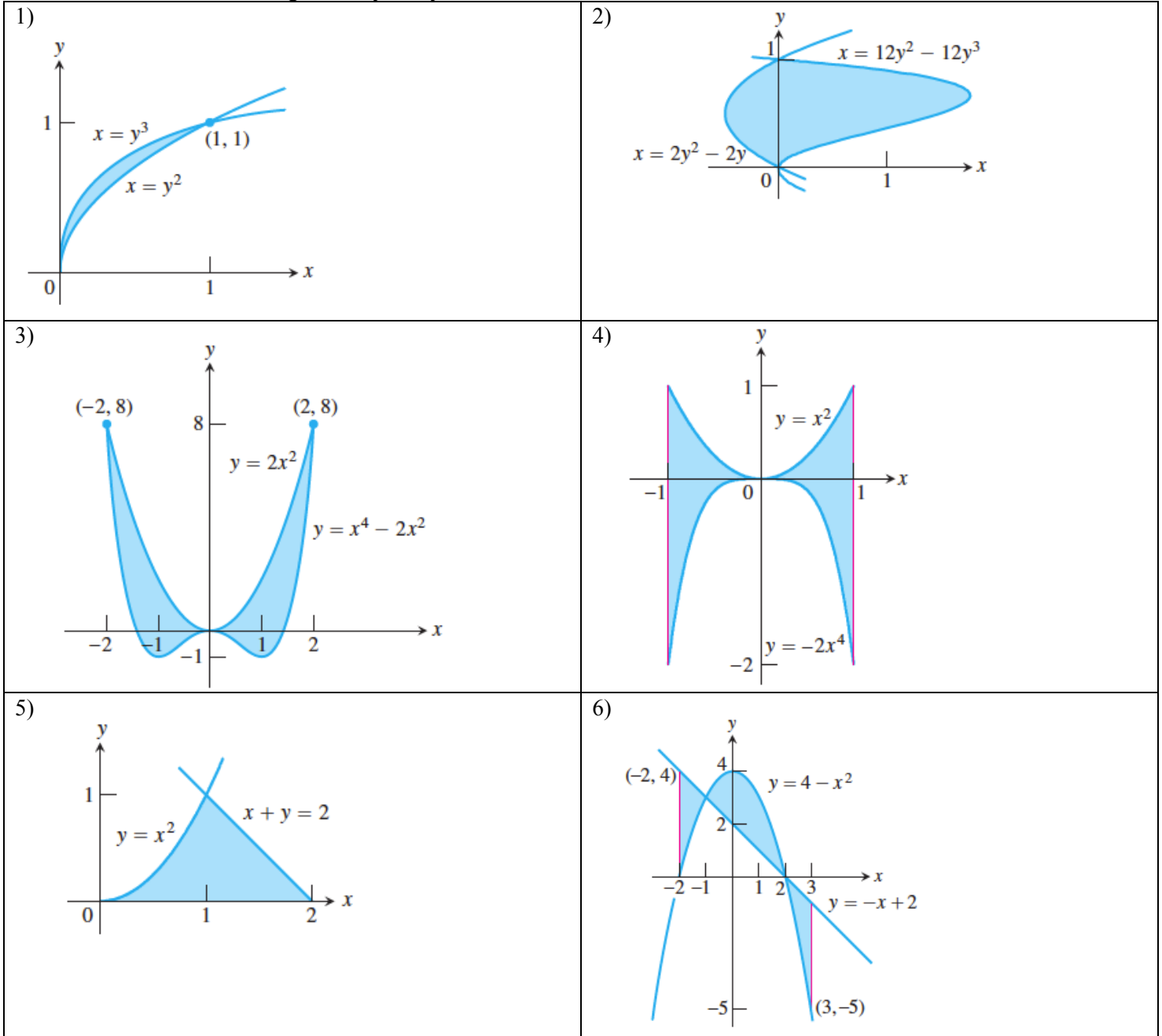Find the area of the shaded region analytically.

1)

2)

3)

4)

5)

6)

7) Find the area of the region(s) enclosed by the graphs of $x - y^2 = 0$ and $x + 2y^2 = 3$.

8) Which of the following gives the area of the region between the graphs of $y = x^2$ and $y = -x$ from $x = 0$ to $x = 3$?

A 2 　　　　　　　**B** 9/2 　　　　　　　**C** 13/2 　　　　　　　**D** 13 　　　　　　　**E** 27/2

Answers:

1) 1/12	2) 4/3	3) 128/15	4) 22/15	5) 5/6
6) 49/6	7) 4	8)		