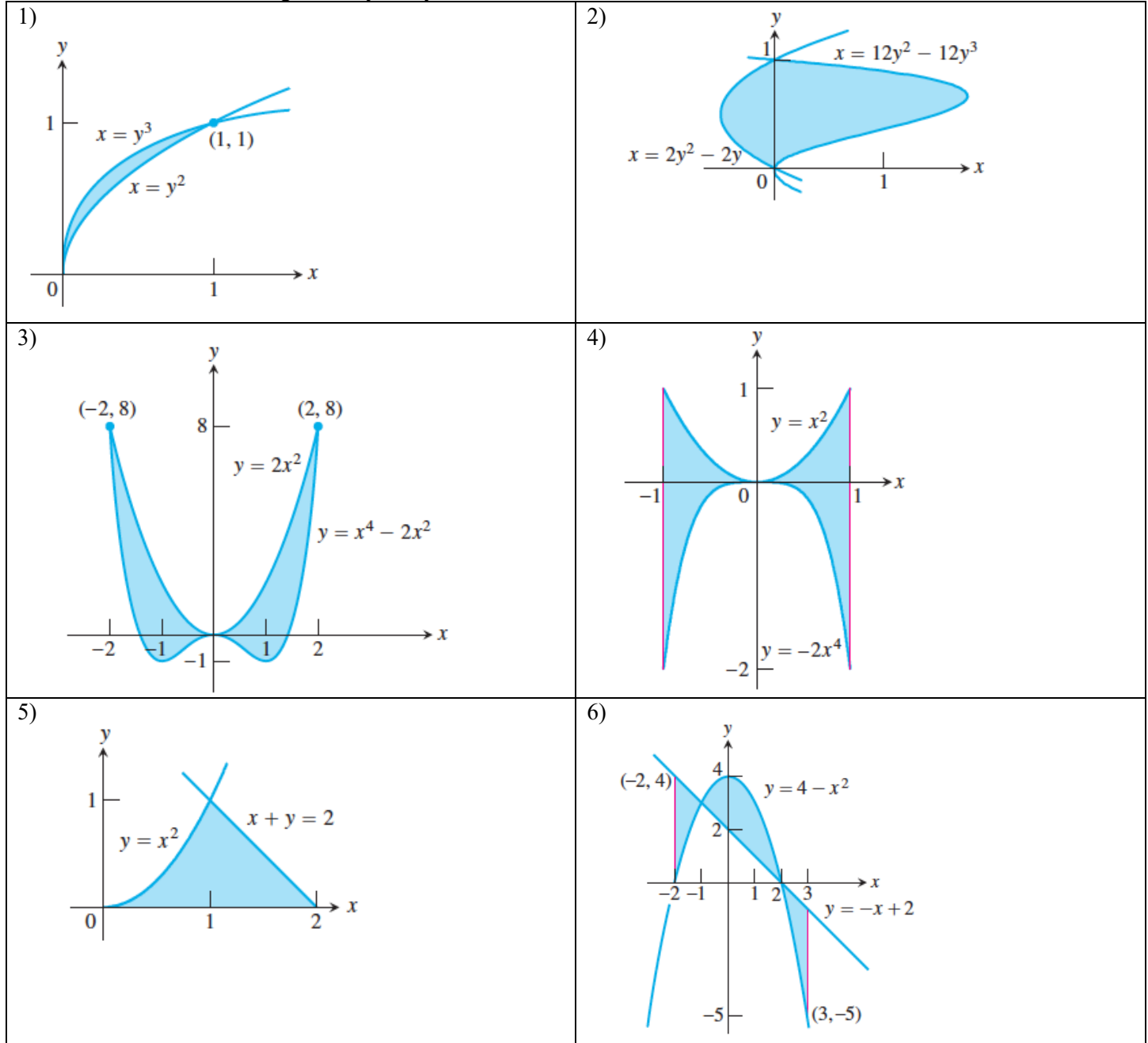


Find the area of the shaded region analytically.



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) | | |