

习题 8.1

1. (1)一阶; (2)二阶; (3)三阶; (4)一阶.
2. (1)是; (2)是; (3)不是; (4)是.
5. $x^2 + (-xy')^2 = 1$.
6. $(y'')^2 = x - 1$.
7. (1) $y = x^2 + C$; (2) $y = x^2 + 3$; (3) $y = x^2 + 4$; (4) $y = x^2 + \frac{5}{3}$.