

## Exercise 4

Convert each of the following BVPs in 1–8 to an equivalent Fredholm integral equation:

$$y'' + 3xy = 4, \quad 0 < x < 1, \quad y(0) = 0, \quad y(1) = 0$$

[TYPO: To get the answer at the back of the book, use  $y(1) = 1$  instead.]