

## Dvanajsta domača naloga

1. Reši naslednje DE:

(a)  $xy' - 3y = x^4, y(1) = 3,$

(b)  $xy' = e^y + 2y', y(3) = -1,$

(c)  $xy' + x^2 + xy - y = 0, y(1) = 0,$

(d)  $y'x - y = x^2e^x, y(\ln 2) = \ln 2,$

(e)  $y'x^2 = e^x - 2xy, y(1) = e^2,$

(f)  $y' = e^{x-y}, y(1) = 2.$