

MA114 Summer II 2018
Worksheet 1a

1. Compute the following integrals by using integration by parts.

a) $\int x^2 \sin(x) \, dx,$

b) $\int (2x + 1)e^x \, dx,$

c) $\int x^4 \ln(x) \, dx,$

d) $\int x \ln(x + 1) \, dx,$