

Homework 3 (Due: 12/15)

- (1) Sec. 4-6 9, (2) Sec. 4-6 15, (3) Sec. 4-6 23,
(4) Sec. 4-6 32, (5) Sec. 4-7 15, (6) Sec. 4-7 16,
(7) Sec. 4-7 22, (8) Sec. 4-7 35, (9) Sec. 6-1 20

Hint: In (2), $\int \ln t \, dt = t \ln t - \int t \frac{1}{t} \, dt$ may be applied.

$$\int u'v = uv - \int uv' \quad u = t, v = \ln t$$