MATH 4280 Homework Assignment 5

Due on Wednesday, November 1st, at the BEGINNING of class.

Section 2.4: 39, 41
Section 2.5: 49(a), 50, 51

Extra problem: Use the Tonelli and/or Fubini theorems to evaluate the integral

$$\int_0^1 \int_y^1 x^{-3/2} \cos\left(\frac{\pi y}{2x}\right) \, dx \, dy.$$