MATH 4280 Homework Assignment 7

Due on Thursday, February 27th, at the BEGINNING of class.

Section 2.5: 45, 49(a), 51 (assume codomain \( \mathbb{R} \) rather than \( \mathbb{C} \)), 52
Section 2.6: 54

• Show that \( \int (\sin y)e^{-xy}\chi_{[1,\infty)}\times[0,\infty)d(m \times m) \) exists, and find its value.