

Math 275 - Spring 2016

Homework 5

Due March 10, 2016

All human knowledge thus begins with intuitions, proceeds thence to concepts, and ends with ideas.

—Emmanuel Kant

Turn in: 8.2, 8.6, 8.7, 8.15, 8.19, 9.5

7. Find the directional derivative of $f(x, y) = e^y \sin x$ at $(\pi/3, 0)$ in the direction of $\mathbf{v} = \langle 4, -3 \rangle$

Recommended: 8.1, 8.7, 8.10, 8.14, 8.18, 9.1, 9.4