

Assignment 2 – Part 1 – Math 243

Textbook exercises:¹

Section 11.3: 2, 4, 6, 14, 18

Other exercises:

(1) Determine if the angle between the following pairs of vectors is acute, obtuse, or right.

(a) $\mathbf{u} = (1, 2, 3)$ and $\mathbf{v} = (-3, -2, -1)$

(b) $\mathbf{u} = (1, 2, 3)$ and $\mathbf{v} = (-3, 0, -1)$

(c) $\mathbf{u} = (1, 2, 3)$ and $\mathbf{v} = (-3, 2, 1)$

¹From Hass, Weir, and Thomas' *University calculus: alternate edition*