Assignment 5

COMP 2230
Due: March 27, 2026 by 11:59 p.m.
Upload your Word, PDF, or LaTeX file(s) to Brightspace

Exercises from the Textbook (80 points):

Section 10.1: 10, 47

Section 10.2: 18, 22 (**a** only), 23 (**a** only)

Section 10.3: 5

Section 10.4: 30

Section 10.5: 2

Section 10.6: 2, 6

Section 11.1: 9

Section 11.2: 17

Section 11.3: 39, 43

Section 11.4: 39

Section 11.5: 26

Additional Exercises (20 points):

1. Prove that graph with n nodes and strictly fewer than $n - 1$ edges is not connected.

2. Draw a graph that has **exactly** seven different spanning trees.