

Homework 5
Calculus II

Due February 10, 2026
Prof. Nollet

Section 6.3 #1, 3, 6, 9, 14.

Section 6.4 #13, 16, 17, 20, 21

Hints:

Section 6.3: The part under the square root is a perfect square in each case.

Section 6.4:

#13 Can work integral directly with u -substitution.

#16 Multiply out square roots to get easy integral.

#17 Here a u -substitution works.

#20 Multiply out square roots to get easy integral.

#21 Part under the square root is a perfect square.