

Math 142 - Midterm 2 Suggested Study Problems

Here are problems that are similar to the ones you might see on the exam.

Volumes of Revolution Cht. 7 review # 19, 22

You should know both the washers/disks method and the shells method without needing the formula sheet.

Arc Length and Areas of Revolution Cht. 7 review # 28, 30

The formulas for arc length and surface area of revolution will be on the formula sheet.

Work Cht. 7 review # 31, 33, 35

Integration by Parts Cht. 8 review # 9, 15, 31(c), 65

Make sure you know the formula! It is too important to be on the formula sheet.

Tabular Integration Cht. 8 review # 10, 13

Trigonometric Integrals Cht. 8 review # 18, 19, 20

Review the rules of thumb for these.

Trig Substitution Cht. 8 review # 25, 27, 31(a)

Partial Fractions Cht. 8 review # 33, 37