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 # 25, 30
> *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 # 33, 37
> *The formulas for arc length and surface area of revolution will be on the formula sheet.*

Work Cht. 7 review # 39, 41, 43, 46

Integration by Parts Cht. 8 review # 9, 13, 17, 33, 65
> *Make sure you know the formula! It is too important to be on the formula sheet.*

Tabular Integration Cht. 8 review # 15

Trigonometric Integrals Cht. 8 review # 19, 21
> *Review the rules of thumb for these.*

Trig Substitution Cht. 8 review # 27, 37, 33

Partial Fractions Cht. 8 review # 35, 39