

MATH 1120-003
Spirit & Uses of Mathematics 2
Homework 4/26

Write a 50 minute exam covering the material in sections 9.1, 9.2, 9.3, 9.4, and 10.1. Your exam should include exercises 10.1: 7–9, 11–12, as well as the following formulas.

Cylinders:

$$V = Ah$$

$$SA = 2A + P\ell$$

Right Circular Cylinders:

$$V = \pi r^2 h$$

$$SA = 2\pi r^2 + 2\pi r h$$

Cones:

$$V = \frac{1}{3}Ah$$

Right Circular Cones:

$$V = \frac{1}{3}\pi r^2 h$$

Spheres:

$$V = \frac{4}{3}\pi r^3$$

$$SA = 4\pi r^2$$