Mth 128
Intermediate Mathematics for Elementary Teachers
Review Guide for Exam III

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Midterm Details

- The exam will cover Sections 10.5–10.7 and Chapter 12 and will be on Tuesday, April 19.

- Calculators will be allowed on this exam.

- For those students qualifying for special accommodations, please send me a reminder email no later than Thursday, April 14.

- There will be a review session on Thursday, April 14 at 6:30-7:30 PM in NM 357.

- You should try working some of the problems in the review sections of Chapters 10 and 12.

- Be sure to take advantage of the office hours, SI sessions, and the AARC.

Topics for Exam III

- To understand and be able to find the surface area of various polyhedra, cylinders, cones, and spheres (Section 10.5).

- To understand and be able to use English and metric measures of volume and mass (Section 10.6).
• To understand and be able to find the volume of various polyhedra, cylinders, cones, and spheres (Section 10.6).

• To understand how scale factors affect length, area, and volume, and to be able to apply this knowledge. differ and how they affect the nature of the data set (Section 10.7).

• To understand how data collection methods differ and how they affect the nature of the data set (Section 12.1).

• To understand and be able to evaluate different design studies (Section 12.1).

• To understand and be able to analyze data using graphs and tables (Section 12.2).

• To understand how graphs and tables of data can sometimes be misleading (Section 12.3).

• To understand and be able to analyze data using measures of central tendency—mean, median, and mode (Section 12.4).

• To understand and be able to find percentiles (Section 12.5).

• To understand and be able to analyze data using measures of spread—range, variance, and standard deviation (Section 12.5).

• To understand and be able to apply the 68%–95%–99.7% Rule (Section 12.5).