Note: NO CALCULATOR IS PERMITTED FOR THIS EXAM.

The following content can be found in the mathematics text for elementary education majors, Reconceptualizing Mathematics by Sowder, Sowder, and Nickerson, Freeman Publishing, 2010.

Students should bring to the exam a compass, protractor, and ruler.

Topics covered on the exam:

Polyhedra

Polygons

Symmetry

Tessellations

Size changes and similarity

Curves, constructions, and curved surfaces

Transformation geometry

Measurement

Area, surface area, and volume

Pythagorean Theorem

Some Other Kinds of Measurements