

EXAM ONE REVIEW

Math 394

DURING THE EXAM

- You may use a ruler, a protractor and a calculator
- You may not use a cell phone or any other non academic electronic item
- You may not use any notes

TOPICS

- Six problem solving strategies from Chapter 1; know at least one “clue” for each strategy
- Brief problem solving using two and three dimensional shapes
- Polygons
 - Vocabulary
 - Recognizing shapes
 - Finding vertex measure (deriving formula)
 - Sketching regular polygons
- Symmetry
 - Creating symmetrical figures
 - Reflective, lines of symmetry
 - Angles of rotational symmetry
- Angles
 - Vocabulary
 - Find measures of angles in figures
- Polyhedra
 - Vocabulary
 - Identify polyhedra from nets
 - Views of cube figures, blue prints
 - Platonic solids; identifying and names
 - Euler’s formula
- Dimensional analysis

WHAT TO STUDY

- Review vocabulary associated with sections 1.1 – 2.4
- Review all assigned homework for sections 1.1 – 2.5
- Review all class work and corresponding write ups for sections 1.1 – 2.5
- Review and read sections 1.1 – 2.5
- Section 1.1 Review problems, page 32, #2, 5
- Chapter 1 Test, page 33: #1, 8
- Section 2.2 Review problems, page 96, #all
- Section 2.3 Review problems, page 97, #all
- Section 2.4 Review problems, page 98, #all
- Section 2.5 Review problems, page 99, #all
- Chapter 2 Test, page 99, #1 – 24 (don’t worry about finding “all” for #18)