Exam TWO is an in-class exam given on Tuesday May 12, 2009

- For Exam TWO you should study your assigned homework, the examples in our textbook and the class activities we have done in class for §10.1, §10.2 and §10.3
- Exam Two is a mix of true-false, multiple choice and short answer questions that include working with measurement, area and perimeter, surface area and volume.
- You may use your personal manipulative kit, ruler and protractor during the exam.
- You may use a calculator during the exam.
- You may not use a cell phone during the exam.
- You may use two sides of two 3” x 5” card of notes on this exam

CONCEPTS TO KNOW

- The Chapter 10 Review Items, page 721, #2-5

REVIEW PROBLEMS

Practice problems: Chapter Ten Test, pages 722-724
# 1 – 16

T/F Practice problems: Attached to this sheet (Note: answers are given at the end).

I will feel free to draw from all assigned homework & class activities!

Pay particular attention to:
- All of your text and activity follow up homework
- All of the Chapter 10 vocabulary terms
- Activity Sets: §10.1, §10.2 and §10.3
- Any in-class activities

Study Ideas
- Work problems from the text and the activity book; don’t just read over already done work. The more problems you can work, the more confident you will be during the exam.
- Work with a study group, discuss ideas.
Math 213 T/F Practice Problems for Exam 2

1. T  F  If two triangles have the same perimeter, they must have the same area.

2. T  F  The diagonals of a square intersect at right angles.

3. T  F  The volume of a cylinder is 3 times the volume of a cone with the same base.

4. T  F  If the height of a triangle doubles, then its perimeter increases by a factor of 4.

5. T  F  A mile is longer than a kilometer.

6. T  F  An inch is longer than a centimeter.

7. T  F  If the radius of circle doubles then the area increases by a factor of 4.

8. T  F  If the height of a cylinder doubles, then the volume of the cylinder increases by a factor of 8.

9. T  F  50 miles/hour is faster than 50 km/hour.

10. T  F  If the height of a cone doubles, the volume of the cone doubles.

11. T  F  All parallelograms with the same perimeter have the same area.

12. T  F  If the surface area of two spheres is the same, then the volume of the spheres must be the same.

13. T  F  If the sides of a cube all double, then the volume of the cube increases by a factor of 8.
Answers:
1. F
2. T
3. T
4. F
5. T
6. T
7. T
8. F
9. T
10. T
11. F
12. T
13. F
14. T
15. T