

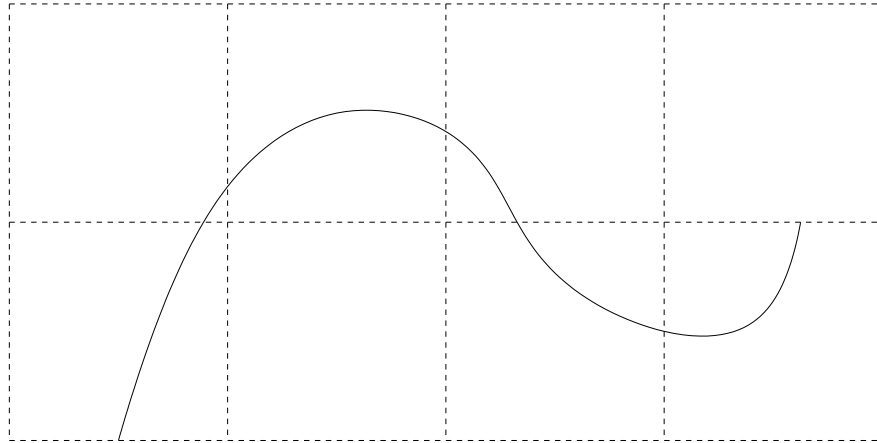
MA 202  
Spring Semester 2004

**WARNING:** You must **SHOW ALL OF YOUR WORK**. You will receive NO CREDIT if you do not show your work.

**DUE: ????**

1. Do problems 22-25 in Section 12.1 of your textbook.
2. What does it mean for two regions to be congruent? (You may need to use a dictionary or another resource such as the internet to answer this problem. Be sure to cite any source you use.)
3. What is the Congruence Property of Area.
4. What is the Addition Property of Area.
5. (a) How do you find the area of a rectangle? (What do we model with rectangular area?)  
(b) Use what you know about the area of a rectangle to explain how you would find the area of a parallelogram.  
(c) Use what you know about the areas of rectangles and/or parallelograms to explain how you would find the area of a triangle.  
(d) Use what you know about the areas of rectangles, parallelograms, and/or triangles to explain how you would find the area of a trapezoid.
6. What is perimeter?
7. Approximate the length of the curve below.

UNIT



8. What is the definition of  $\pi$  according to your textbook?
9. Is a 20" pizza twice as large as a 10" pizza? Explain.
10. You need to be able to do problems like numbers 3–5 and 8–10 in Section 12.2 of your textbook. I will not collect these problems.
11. Do problems 2, 11–17, 20, and 35–36 in Section 12.2 of your textbook.