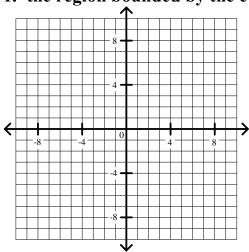
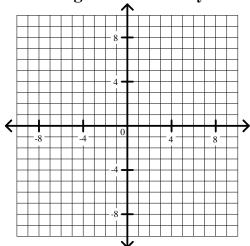
Calculus Class Worksheet #4 Unit 3

For each of the following problems you must

- a. sketch a graph of the region described, and
- b. use calculus to find the area of the region (exact value).
- 1. the region bounded by the curve $y = x^2$ and the line y = x + 6



2. the region bounded by the curve $y = 4 - x^2$ and the line y = 2 - x



3. the region bounded by the curve $y = x^2 - 2$ and the curve $y = 2 + 2x - x^2$

