EXTRA CREDIT QUIZ 5 - MATH 152 YOUR NAME:_____

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Use the disk method to find the volume of a right circular cone with base of radius r and height h.

2. Use the cylindrical shell method to find the volume of a right circular cone with base of radius r and height h.

3. Use the disk (or washer) method to find the volume of a solid torus with radius R and cross-section radius r.

4. Use the cylindrical shell method to find the volume of a solid torus with radius R and cross-section radius r.