

Math 2315 - Calculus II

Quiz #8 - 2007.10.08

Name: _____

1. State the formula for the area of a surface of revolution about the y -axis if $x = g(y)$ for $c \leq y \leq d$.

2. State the formula for the area of a surface of revolution about the x -axis if $x = g(y)$ for $c \leq y \leq d$.

3. State the formula for the area of a surface of revolution about the y -axis if $y = f(x)$ for $a \leq x \leq b$.

4. State the formula for the area of a surface of revolution about the x -axis if $y = f(x)$ for $a \leq x \leq b$.