

Study guide for quiz 09

Quiz problems include both the lecture contents and homework problems.

1. Section 6.2: Study the method of cylindrical shells for both volume of revolution around x - and y - axis.
2. Section 6.3: Study the formula of arclength for curves of the form $\{y = f(x), a \leq x \leq b\}$, $\{x = f(y), c \leq y \leq d\}$ and $\{x = X(t), y = Y(t), \alpha \leq t \leq \beta\}$.
3. Section 6.4: Study the formula of area of surfaces of revolution around the a - axis with the generating curves of the form $r = f(a)$ and $a = g(r)$ where $(a, r) = (x, y)$ or (y, x) .