

Study guide for quiz 09

Quiz problems include both the lecture contents and homework problems.

1. Section 6.4: Study the formula of area of surfaces of revolution around the x - or y -axis with the generating curve of the form $y = f(x)$ or $x = g(y)$ or $x = X(t)$, $y = Y(t)$.
2. Skip the exponential change part. Study the meaning of 'separable differential equations' and the procedure of solving them.
3. Study the meaning of 'First-order linear equations' and the procedure of solving them (how to multiplying an integration factor on both sides of the equation).