

<i>Concept from Course Information Form</i>	<i># of Problems on Final</i>	<i>Section in Larson Textbook</i>
Evaluate and interpret limits graphically, numerically, and analytically.	6	Ch. 1, 3.5, 5.6
Use limits to describe asymptotic behavior of functions	2	1.5, 3.5
Relate the behavior of the first and second derivative to the graph of the function	3	3.3-3.6
Apply the derivative concept to solve applications that involve rates of change, optimization, and related rates	2	2.2, 2.6, 3.7
Explain the definition of derivative and relate it to rate of change and slope	2	2.1, 2.2
Demonstrate the ability to apply the differentiation rules	3	2.2 – 2.4
Calculate derivatives implicitly	1	2.5
Solve applications using differentials	1	3.9
Explain the fundamental theorem of calculus, calculate definite and indefinite integrals	5	Ch. 4 & 5
Calculate derivatives and integrals of exponential and logarithmic functions	4	5.1 – 5.4
Solve applications that involve exponential growth and logarithmic functions	1	5.4, 5.5
Calculate derivatives and integrals of inverse trigonometric functions and hyperbolic functions.	2	5.7 – 5.9