

## Unit 2 - Derivatives

ROC3: verify graphically and algebraically the rules for determining derivatives; apply these rules to determine the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions, and simple combinations of functions; and solve related problems.

Lesson	Topic	Homework
2.1	The Power Rule	p. 82 #2de,4a,7bd,8c,9c,11,12,13,19
2.2	Differentiation Rules	p. 82 #3df,4cef,5c,6b,8d,9df,14,16,18,25b,26
2.3	The Product Rule	p. 90 #1abcde,4,5abcf,6,7,12
2.4	The Quotient Rule	p.97 #4bce,5ad,7,8,9a,12,15
2.5	The Chain Rule - Day 1	p. 105 #4cef,5ef,7,8acf, 10,12,13bc,14,16,17
2.6	The Chain Rule - Day 2	Handout
2.7	The Derivative of $y = e^x$ and $y = b^x$	p. 232 #2adef,3,7,8 p. 240 #1,2bd,3,4,6,8
2.8	The Derivative of Sine & Cosine	p. 256 #1odd,2odd,3de,5,8,10
	Review	p. 110 #1-30 (select) p. 263 #1-3,8,9,13-16

Test Date: \_\_\_\_\_