

BC ~ Practice Problems

<u>Problem Set</u>		<u>Test/Due Date</u>
Set 1: pg 246 #1 – 33 (odd)	..... L'Hopital's Rule (17)	_____
Set 2: pg 246 #37 – 45 (odd), 44	..... L'Hopital's Rule with algebraic Manipulations (6)	_____
Set 3: worksheet #1 – 27 (odd)	..... Relative Growth rates (14)	_____
Set 4: pg 296 #1 – 6, 12, 13 – 19 (odd)	..... RAM (11)	_____
Set 5: pg 296 #21 – 26	..... summation notation (6)	_____
Set 6: pg 461 #1 – 12 (Trapezoids only) Worksheet	..... trapezoidal rule (12+)	_____
Set 7: pg 308 23 – 28 , 43 – 47, 55 – 68	..... properties of definite integrals (22)	_____
Set 8: pg 307 #1 – 10, 13 – 16	..... definite integrals using Geometry (14)	_____
Set 9: pg 308 #33 – 41, 42, 49, 51, 53	..... evaluating basic definite Integrals (12)	_____
Set 10: pg 314 #1-25 (odd), 49, 50, 59	..... Fundamental Theorem Part 1 (16)	_____
Set 11: pg 320 #7 – 15 (odd), 21 – 26, 28 – 34, 39, 45	..... Fundamental Theorem Part 2 (18)	_____
Set 12: pg 326 #1 – 6, 15, 18, 19, 21	..... Integral as an accumulator (10)	_____
Set 13: pg 281 #9 - 28	..... Indefinite Integrals (20)	_____
Set 14: pg 333 #3 – 72 (multiples of 3)	..... U-Substitution (24)	_____
Set 15: pg 335 #77, 78, 79-89 (odd)	..... U-Substitution with bounds (8)	_____
Set 16: pg 339 #33 – 41 (odd), 45 Indefinite Integrals (6)	_____
Set 17: pg 403 #1 – 13 (odd), 19, 20, 21 Integration by Parts (10)	_____

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Set 18: pg 434 #1, 2, 9, 11, 12, 14, 15	Partial Fractions (7)	_____
Set 19: pg 361 #3 – 42 (multiples of 3) (odds w/ calculator, evens by hand).	Area bounded by 2 curves (14)	_____
Set 20: pg 373 #9 – 15	Volume by cross section (7)	_____
Set 21: pg 381 #5 – 11 (odd), 13, 14, 21 – 24, 27 – 32, 39 – 51 (odd)	Volumes of Revolution – Disk Method (23)	_____
Set 22: pg 375 # 39 – 48	Average Value (10)	_____
Set 23: pg 471 #1 -10	Arc Length (10)	_____
Set 24: Slope Field Packet	Slope Fields (+)	_____
Set 25: pg 522 #9, 15 – 20	Euler's Method (7)	_____
Set 26: pg 508 #15 – 36 (multiples of 3) 10	Separable Differential Equations (9)	_____
Set 27: Pg 350 #7, 8, 9 Pg 515 #1, 3, 4 Worksheet	Exponential Functions (6+)	_____
Set 28: Worksheet	Logistic Functions (+)	_____
Set 29: pg 444 #1, 2, 6 – 21 (multiples of 3)	Improper Integrals (8)	_____