

# UNIT 5 – INTEGRATION – AP

NAME: \_\_\_\_\_

## LEGEND

<b>Beginning</b> -didn't know how to begin -can't find my mistake -DON'T spend more than 5 min per question, if you do, that means you need to get help!	<b>Developing</b> -used notes/examples for steps -needed to look at a solution or got a hint to find my mistake	<b>Refining</b> -no notes or help needed -can find my own mistake without looking at a solution -can explain to another	<input type="checkbox"/> DAY # is present on front of each page <input type="checkbox"/> Pages are in order, questions numbered <input type="checkbox"/> Steps are shown in solutions <input type="checkbox"/> Evidence of checking your work is visible <input type="checkbox"/> Honestly classified each question done on a level – beginning, developing or refining <input type="checkbox"/> Spiral review to improve recall by doing a random question from last unit(s) or prior day(s)
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DAY	TOPIC	HW ASSIGNED	SPIRAL REVIEW date(s), quest, where is the proof
1	Antiderivatives or Indefinite Integrals	<a href="http://mrsk.ca/AP/Korpi6.1AntidifferentiationIntegration.pdf">http://mrsk.ca/AP/Korpi6.1AntidifferentiationIntegration.pdf</a> 1,2,3,4,5,6a,b,c,d,e,f,7a,b,c,d,e	
2	Area under V-T graphs	<a href="http://mrsk.ca/AP/DistanceSpeedTime.pdf">http://mrsk.ca/AP/DistanceSpeedTime.pdf</a> 5a,b,c,d,6a,b,7a ii), 8a,b,c,d,10a,b	
3	Estimating Areas	<a href="http://mrsk.ca/AP/CALCapproximateIntegration.pdf">http://mrsk.ca/AP/CALCapproximateIntegration.pdf</a> 1a,b,c,d,2a,b,c,d,3a,b,c,d,	
4		DAY3 link: 1e,2e,3e,4a,b,c,5a,b,c <a href="http://mrsk.ca/AP/CALCdefiniteIntegral.pdf">http://mrsk.ca/AP/CALCdefiniteIntegral.pdf</a> 1a,b,c,2a,b,c	
5	Working with Sums	<a href="http://mrsk.ca/AP/PRACTICEworkWithSums.pdf">http://mrsk.ca/AP/PRACTICEworkWithSums.pdf</a> 1,2,3,4,5,6,7,8,9,10	
6	Definite Integrals	<b>Using geometric area</b> <a href="http://mrsk.ca/AP/A5.3definiteIntegral.pdf">http://mrsk.ca/AP/A5.3definiteIntegral.pdf</a> 1,2,3,4,7,8 <b>Using sigma sum properties</b> DAY4 link page1: 3a,b,d,f,j,10a,b,c,d	
7	Integral Properties	DAY4 link page2: 5,6,9a,b,c,d page3: 1,2,3,4,5,6,7	
8	FTC part 2 & Average Value of a Function	<a href="http://mrsk.ca/AP/CALC-FTC.pdf">http://mrsk.ca/AP/CALC-FTC.pdf</a> 2d,h,i,j,l,m,n	
9	Accumulation functions & FTC part 1	<b>Accumulation functions</b> <a href="http://mrsk.ca/AP/AreaAccumulationFunctions.pdf">http://mrsk.ca/AP/AreaAccumulationFunctions.pdf</a> 1a,b,c,d,e,f,g,h,i,2a,b,c,d,e,3a,b,c,d <b>FTC p1</b> <a href="http://mrsk.ca/AP/Korpi6.3ftc.pdf">http://mrsk.ca/AP/Korpi6.3ftc.pdf</a> 9a,b,c,d,10 DAY8 link2: 1a,b,c,d,e,f	
10	Total Area & Average Value of a Function	<b>Total area</b> <a href="http://mrsk.ca/AP/TotalArea.pdf">http://mrsk.ca/AP/TotalArea.pdf</a> 1,2,3a,b,c,4,5,6,14,15a,b <b>Average value of a function</b> <a href="http://mrsk.ca/AP/PRACTICEaveVal.pdf">http://mrsk.ca/AP/PRACTICEaveVal.pdf</a> PART1: 1,2,3 PART2: 1a,b,c,d,2,3	

Sought help From: _____ Date(s): _____	Gave help To: _____ Date(s): _____
Review questions from OneNote? NO Partially YES attach proof	Mock test creation? NO YES attach proof
Revisit board-work questions? NO Partially YES attach proof	Summary/Journal notes all topics done? NO Partially YES attach proof
My strengths	My weak areas
Plan of action	

# UNIT 6 – APP OF INTEGRATION PART 1 – AP

NAME: \_\_\_\_\_

## LEGEND

<b>Beginning</b> -didn't know how to begin -can't find my mistake -DON'T spend more than 5 min per question, if you do, that means you need to get help!	<b>Developing</b> -used notes/examples for steps -needed to look at a solution or got a hint to find my mistake	<b>Refining</b> -no notes or help needed -can find my own mistake without looking at a solution -can explain to another	<input type="checkbox"/> DAY # is present on front of each page <input type="checkbox"/> Pages are in order, questions numbered <input type="checkbox"/> Steps are shown in solutions <input type="checkbox"/> Evidence of checking your work is visible <input type="checkbox"/> Honestly classified each question done on a level – beginning, developing or refining <input type="checkbox"/> Spiral review to improve recall by doing a random question from last unit(s) or prior day(s)
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DAY	TOPIC	HW ASSIGNED	SPIRAL REVIEW date(s), quest, where is the proof
1	MVT & Other Comparisons	<a href="http://mrsk.ca/AP/CALC-FTC.pdf">http://mrsk.ca/AP/CALC-FTC.pdf</a> 5a,b,c,6a,b  <a href="http://mrsk.ca/AP/Korpis8.1IntegralAsNetChange.pdf">http://mrsk.ca/AP/Korpis8.1IntegralAsNetChange.pdf</a> 1,2,3,4,5,6a,b,c,7a,b,c,d	
2	Interpreting Integrals	<a href="http://mrsk.ca/AP/wAPInterpretIntegral.pdf">http://mrsk.ca/AP/wAPInterpretIntegral.pdf</a> 1,2,3,4,5,6 DAY1 link2: 8a,b,c,9a,b,c,d,10a,b,c	
3		DAY1 link2: 11a,b,c,d,12a,b,c,d DAY1 link1: 3a,b,c,7,9,10a,b,11,12,16	
4	Integrating by U-sub	<a href="http://mrsk.ca/AP/CALCuSubstitution.pdf">http://mrsk.ca/AP/CALCuSubstitution.pdf</a> 1a,b,e,f,g,h,j,k,p,r,2c,g,k	
5		<a href="http://mrsk.ca/AP/PRACTICEuSubTrigInverses.pdf">http://mrsk.ca/AP/PRACTICEuSubTrigInverses.pdf</a> indefinite: 1,2,3,4,5,6,7 definite: 1,2,3	
6		<a href="http://mrsk.ca/AP/PRACTICEIntegrationStrategies.pdf">http://mrsk.ca/AP/PRACTICEIntegrationStrategies.pdf</a> long divide: 1 direct sub: 2,3,5,7,8,10,14,15,20,21,27,37,44,46,48,49,50 Trig Id: 6,17,25 Complete Sq: 11,26,31,34,36	
7	TI-89 calc	<a href="http://mrsk.ca/AP/Korpis6.3ftc.pdf">http://mrsk.ca/AP/Korpis6.3ftc.pdf</a> 1,2,3,5,6,11a,b,c,d,12d,e,f,g,h,18 DAY1 link1: 3,4,6a,b,c,7a,b,c,d,8a,b,c,9a,b,c,d,10a,b,c	
8	No calc	DAY7 link: 4,7a,b,8a,b,c,d,e,f,g,13,14,16a,b,c,d,e,f,g,17a,b,c,d DAY1 link1: 1,2,5,11a,b,c,d,12a,b,c,d	

Sought help From: _____ Date(s): _____		Gave help To: _____ Date(s): _____	
Review questions from OneNote? NO Partially YES attach proof		Mock test creation? NO YES attach proof	
Revisit board-work questions? NO Partially YES attach proof		Summary/Journal notes all topics done? NO Partially YES attach proof	
My strengths		My weak areas	
Plan of action			

# UNIT 7 – APP OF INTEGRATION PART2– AP

NAME: \_\_\_\_\_

## LEGEND

<b>Beginning</b> -didn't know how to begin -can't find my mistake -DON'T spend more than 5 min per question, if you do, that means you need to get help!	<b>Developing</b> -used notes/examples for steps -needed to look at a solution or got a hint to find my mistake	<b>Refining</b> -no notes or help needed -can find my own mistake without looking at a solution -can explain to another	<input type="checkbox"/> DAY # is present on front of each page <input type="checkbox"/> Pages are in order, questions numbered <input type="checkbox"/> Steps are shown in solutions <input type="checkbox"/> Evidence of checking your work is visible <input type="checkbox"/> Honestly classified each question done on a level – beginning, developing or refining <input type="checkbox"/> Spiral review to improve recall by doing a random question from last unit(s) or prior day(s)
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DAY	TOPIC	HW ASSIGNED	SPIRAL REVIEW <small>date(s), quest, where is the proof</small>
1	Area Between Curves	<a href="http://mrsk.ca/AP/CALCareasBetweenCurves.pdf">http://mrsk.ca/AP/CALCareasBetweenCurves.pdf</a> 1b,c,2a,b,c,g,h,i,7	
2	Volume	<a href="http://mrsk.ca/AP/CALCvolumesSolidsRevolution.pdf">http://mrsk.ca/AP/CALCvolumesSolidsRevolution.pdf</a> 1a,b,c,d,e,f,g,h,i,j,k,l	
3		DAY2 link: 2a,b,c,d,e,f,g,3c,d,4c,d,5a,b,6,a,b,7a,d	
4		<a href="http://mrsk.ca/AP/Fii1.1volSlicing.pdf">http://mrsk.ca/AP/Fii1.1volSlicing.pdf</a> 1,2,3,4,5	
5	Differential Equations	<a href="http://mrsk.ca/AP/F1.2separableEq.pdf">http://mrsk.ca/AP/F1.2separableEq.pdf</a> 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17	
6	Slope Fields	<a href="http://mrsk.ca/AP/henricoSlopeFields.pdf">http://mrsk.ca/AP/henricoSlopeFields.pdf</a> 7,8,9,10,11,12,13,14,15,16,17A,B,C,D,18A,B,C,D,E, examQues a,b	
7	Applications of DE	<a href="http://mrsk.ca/AP/PRACTICEdifferentialEqtnsAPP.pdf">http://mrsk.ca/AP/PRACTICEdifferentialEqtnsAPP.pdf</a> set1: 1,2,3,4,5,6 set3: 7,8,11,12	
8		DAY7 link set4: 1,2,3,4,5,6,7,8,10,11,12	

Sought help From: _____ Date(s): _____		Gave help To: _____ Date(s): _____	
Review questions from OneNote? NO Partially YES attach proof		Mock test creation? NO YES attach proof	
Revisit board-work questions? NO Partially YES attach proof		Summary/Journal notes all topics done? NO Partially YES attach proof	
My strengths		My weak areas	
Plan of action			

# COURSE REVIEW – UNI CALCULUS

NAME: \_\_\_\_\_

## LEGEND

<b>Beginning</b> -didn't know how to begin -can't find my mistake -DON'T spend more than 5 min per question, if you do, that means you need to get help!	<b>Developing</b> -used notes/examples for steps -needed to look at a solution or got a hint to find my mistake	<b>Refining</b> -no notes or help needed -can find my own mistake without looking at a solution -can explain to another	<input type="checkbox"/> UNIT # is present on front of each page <input type="checkbox"/> Pages are in order, questions numbered <input type="checkbox"/> Steps are shown in solutions <input type="checkbox"/> Evidence of checking your work is visible <input type="checkbox"/> Honestly classified each question done on a level – beginning, developing or refining
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UNIT	Dates you came back to this topic	RATE THE QUESTIONS
1. AB		<a href="http://mrsk.ca/AP/calcab_practiceexam.pdf">http://mrsk.ca/AP/calcab_practiceexam.pdf</a>  PART A – multiple choice – no calc – pg2: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  PART B – multiple choice – with calc - pg19: 76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92  Free Response Part A – with calc - pg32: 1a,b,c,2a,b,c,3a,b,c,d  Free Response Part B – no calc - pg34: 4a,b,c,d,5a,b,c,6a,b,c
2. BC		<a href="http://mrsk.ca/AP/calcbc_practiceexam.pdf">http://mrsk.ca/AP/calcbc_practiceexam.pdf</a>  PART A – multiple choice – no calc – pg2: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  PART B – multiple choice – with calc - pg19: 76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92  Free Response Part A – with calc - pg32: 1a,b,c,2a,b,c,d,3a,b,c,d  Free Response Part B – no calc - pg33: 4a,b,c,d,5a,b,c,6a,b,c,d

<http://mrsk.ca/AP/PRACTICEintegrationStrategies.pdf>

long divide: 1

direct sub: 2,3,5,7,8,10,14,15,20,21,27,37,44,46,48,49,50

Trig Id: 6,17,25

Complete Sq: 11,26,31,34,36

TO LEARN INDEP LATER?

Partial Fractions:12,19,28,33,40

By parts: 13,16,18,24,29,38,39,45

Trig: 9,22,23,41,42,43,47