



# UNIT 2 – DERIVATIVES – MCV4U1

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	The Derivative	<a href="http://mrsk.ca/AP/d2.2introDer+Sketches.pdf">http://mrsk.ca/AP/d2.2introDer+Sketches.pdf</a> 1a,b,c,d,e,3a,b,4,5a,b,c  <a href="http://mrsk.ca/AP/TABfindLinesUsingDerivatives.pdf">http://mrsk.ca/AP/TABfindLinesUsingDerivatives.pdf</a> 0,1a,b,2,3,4	
2	Derivative Sketches	<a href="http://mrsk.ca/AP/wSketchingDeriv.pdf">http://mrsk.ca/AP/wSketchingDeriv.pdf</a> 1,2,3,4,5,6,7,8,9,10 DAY1 LINK1:6a,b,c,d,7a,b,c,d	
3	Power Rule & AROC/IROC review	<a href="http://mrsk.ca/AP/Acv2.4powerRule.pdf">http://mrsk.ca/AP/Acv2.4powerRule.pdf</a> page1: 1,2,3 page2: 1A,B,C,D,E,F,G,2,3,4A,B  <a href="http://mrsk.ca/AP/PRACTICEroc.pdf">http://mrsk.ca/AP/PRACTICEroc.pdf</a> 1,3a,b,e,4d,e,5a,b,c,6,7a,b,8	
4	Differentiability	<a href="http://mrsk.ca/AP/Acv2.2differentiability.pdf">http://mrsk.ca/AP/Acv2.2differentiability.pdf</a> 3,4,7,8,11,12,13,14  <a href="http://mrsk.ca/AP/wDifferentiabilityConnectivity.pdf">http://mrsk.ca/AP/wDifferentiabilityConnectivity.pdf</a> 1,2	
5	Chain Rule	<a href="http://mrsk.ca/AP/Acv2.5chain.pdf">http://mrsk.ca/AP/Acv2.5chain.pdf</a> 1,3,4,7,9,10,20,25,27	
6	Product & Quotient Rules	<a href="http://mrsk.ca/AP/Acv2.6product.pdf">http://mrsk.ca/AP/Acv2.6product.pdf</a> 3,6,8,9,10,14,22D  <a href="http://mrsk.ca/AP/Acv2.8quotient.pdf">http://mrsk.ca/AP/Acv2.8quotient.pdf</a> 3,6,10,12,15,21,24	
7	More Chain Rule	<a href="http://mrsk.ca/AP/PRACTICEchainFormula.pdf">http://mrsk.ca/AP/PRACTICEchainFormula.pdf</a> 1a,b,c,d,2,3,4,5,6,7a,b,8a,b,c,9	
8	Trig Derivatives	<a href="http://mrsk.ca/AP/Acv3.2trigDeriv2.pdf">http://mrsk.ca/AP/Acv3.2trigDeriv2.pdf</a> 4,6,8,11,13,17,18,19,26,28,32,35,36  <a href="http://mrsk.ca/AP/Acv3.2trigDeriv.pdf">http://mrsk.ca/AP/Acv3.2trigDeriv.pdf</a> 8,9,12,13,15,16,17,20	
9	Implicit Derivatives	<a href="http://mrsk.ca/AP/d3.1implicitDeriv.pdf">http://mrsk.ca/AP/d3.1implicitDeriv.pdf</a> 1,2,3,4,5,6,7,8,9	
10		10,11,12,13,14,15,16	
11	Exp & Log Derivatives	<a href="http://mrsk.ca/AP/Acv3.5expLogDeriv.pdf">http://mrsk.ca/AP/Acv3.5expLogDeriv.pdf</a> 8,10,15,16,17,18,21,22,27,29,30,31,32,38,42	
12		<a href="http://mrsk.ca/AP/d3.2logDeriv.pdf">http://mrsk.ca/AP/d3.2logDeriv.pdf</a> 6,7,8,13,14,16,18,19,20,21,23	
13reg	Start Review	<a href="http://mrsk.ca/AP/wDerivImplicitWordSketch.pdf">http://mrsk.ca/AP/wDerivImplicitWordSketch.pdf</a> 1a,b,c,d,e,f,2,3,4,5,6,7,8,9,10	
14reg		<a href="http://mrsk.ca/AP/AcvDerivPart1Review.pdf">http://mrsk.ca/AP/AcvDerivPart1Review.pdf</a> 2A,B,C,4A,B,D,5B,D,E,I,7A,B,C,8,12,13,15a,b	
13AP	Derivatives of Inverse Functions (AP)	<a href="http://mrsk.ca/AP/CALCinverseTrigFunctions+Deriv2.pdf">http://mrsk.ca/AP/CALCinverseTrigFunctions+Deriv2.pdf</a> 1b,e,g,j,k,l,2a,c,f,g,h,i, 3a,b,c,d,e,f  <a href="http://mrsk.ca/AP/Acv3.3derivInverseFunctions.pdf">http://mrsk.ca/AP/Acv3.3derivInverseFunctions.pdf</a> 3,5,6,8,9,10	
14AP		DAY13 LINK1: 5d,e,f,i,j,m,n,6a,b,7,9	

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 3 – APP OF DERIV PART 1 – MCV4U1 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	Definitions + EVT	<a href="http://mrsk.ca/AP/Acv4.1extremeVal.pdf">http://mrsk.ca/AP/Acv4.1extremeVal.pdf</a> 1a,b,c,d,2a,b,c,d,3a,b,c,d,e,f,g,h,4a,b,c,d,e,f,5a,b,6a,b,7a,b,c,8	
2reg	Review Prior Calculus Topics	<a href="http://mrsk.ca/AP/wDerivReview.pdf">http://mrsk.ca/AP/wDerivReview.pdf</a> 1,3a,b,5,6a,b,c,d,7a,c,8,9a,b,c,d,10,11a,b,12a,b,13,14,15,16,17a,b	
2AP	MVT + Rolle's (review IVT) (AP)	<a href="http://mrsk.ca/AP/MVT+Rolles.pdf">http://mrsk.ca/AP/MVT+Rolles.pdf</a> 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	
3	Function Analysis	<a href="http://mrsk.ca/AP/d4.1+4.2sketchIntro.pdf">http://mrsk.ca/AP/d4.1+4.2sketchIntro.pdf</a> 1,2,3,4,5,11,12,13,14,15,18,19,21,22,23,25,26,27	
4	Sketching	<a href="http://mrsk.ca/AP/CALCcurveSketch2.pdf">http://mrsk.ca/AP/CALCcurveSketch2.pdf</a> 1a,b,c,2c,f,k,n,o,p,q,r,3b,c,d	
5		<a href="http://mrsk.ca/AP/d4.2+4.3sketch.pdf">http://mrsk.ca/AP/d4.2+4.3sketch.pdf</a> 5,7,8,9,10,11,12,14	
6	Velocity & Acceleration	<a href="http://mrsk.ca/AP/PositionVelAccel.pdf">http://mrsk.ca/AP/PositionVelAccel.pdf</a> 1,2,3,4,5	
7		<a href="http://mrsk.ca/AP/Motion_Graphs2.pdf">http://mrsk.ca/AP/Motion_Graphs2.pdf</a> 1,2,3,4,5	
8	Other Applications	<a href="http://mrsk.ca/AP/wInterpretDerivative.pdf">http://mrsk.ca/AP/wInterpretDerivative.pdf</a> 1,2,3,4,5,6	
9		<a href="http://mrsk.ca/AP/CALCrocWordProbEqtnGiven.pdf">http://mrsk.ca/AP/CALCrocWordProbEqtnGiven.pdf</a> 1,2,3,4,6,7	

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 4 – APP OF DERIV PART2– MCV4U1

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	Optimization	<a href="http://mrsk.ca/AP/Aoptimization2.pdf">http://mrsk.ca/AP/Aoptimization2.pdf</a> Numbers: 2a,b,7,8 Area: 12,13,17,19 Perimeter: 22a,b,25,27	
2		Volume: 30,31,32,37 Distance: 40,41,42,43	
3		Money: 45,46,47 Time: 39,49 Misc: 48,50,51,55	
4	Related Rates	<a href="http://mrsk.ca/AP/ArelatedRates2.pdf">http://mrsk.ca/AP/ArelatedRates2.pdf</a> 2,3,6a,b,7,8,9,14	
5		4,11,13,17,19,20,21	
6		24,28,31,32,34a,b,35,40,45	
7reg	Start Review	<a href="http://mrsk.ca/AP/TAB6_8optimizationPractice.pdf">http://mrsk.ca/AP/TAB6_8optimizationPractice.pdf</a> 1,2,3,4,5,6,7,8,9	
7AP	L'Hopital's Rule (AP)	<a href="http://mrsk.ca/AP/CALC-L'Hopital'sRule.pdf">http://mrsk.ca/AP/CALC-L'Hopital'sRule.pdf</a> 1e,f,k,n,p,s,u,v,2a,b,c,f,m,n	
8reg	More Review	<a href="http://mrsk.ca/AP/d3.5relatedRates.pdf">http://mrsk.ca/AP/d3.5relatedRates.pdf</a> 1a,b,2,3,4,5,6,7,8,9,10	
8AP	Approximations (AP)	<a href="http://mrsk.ca/AP/CALCLinearizationDifferentials.pdf">http://mrsk.ca/AP/CALCLinearizationDifferentials.pdf</a> 1d,i,j,2a,b,h,3f,4a,b,5c,d,g,8,9,10	

Sought help From: _____ Date(s): _____	Gave help To: _____ Date(s): _____
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Review questions from OneNote? NO Partially YES attach proof	Mock test creation? NO YES attach proof
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Revisit board-work questions? NO Partially YES attach proof	Summary/Journal notes all topics done? NO Partially YES attach proof
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My strengths	My weak areas	Plan of action
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# COURSE REVIEW – MCV4U

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

## LEGEND

<p><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!</p>	<p><b>Developing</b>          -used notes/examples for steps          -needed to look at a solution or got a hint to find my mistake</p>	<p><b>Refining</b>          -no notes or help needed          -can find my own mistake without looking at a solution          -can explain to another</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> UNIT # is present on front of each page</li> <li><input type="checkbox"/> Pages are in order, questions numbered</li> <li><input type="checkbox"/> Steps are shown in solutions</li> <li><input type="checkbox"/> Evidence of checking your work is visible</li> <li><input type="checkbox"/> Honestly classified each question done on a level – beginning, developing or refining</li> </ul>
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UNIT	Dates you came back to this topic	<b>RATE THE QUESTIONS</b> <a href="http://mrsk.ca/12calc/examreview_calc.pdf">HTTP://MRSK.CA/12CALC/EXAMREVIEW_CALC.PDF</a>
1. Limits & Other review		8b,13b,15,16,47a,b,c,d,48,49,50,51,52,53a,b,c,d,e,54
2. Derivatives		1,2a,b,c,3,4,5,6,7,8a,9,11,12,13a,14,17,18,19,20,21,22,23,24,25,26,27,31,32,33,34,35,36,38,39,40,41-(1)(2)(3)(4),42a,b,c,d,e,43a,b,c
3. Application of Derivatives Part 1		10,30a,b,37,45a,b,c,46a,b,c,55,56,57a,b,c,58,59a,b,60,61
4. Application of Derivatives Part 2		28,29,44a,b,c,d,62,63,64,65,66,67a,b,c,d