

# SCHEDULE

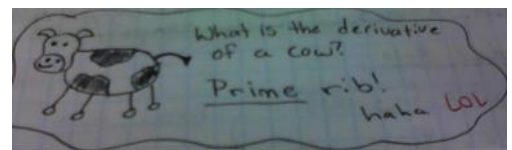
October-26-13 9:09 PM

	Topics Journal & Assign are based on this	HW Handouts , instead of textbook optional unless <b>highlighted</b> in which case choose some questions at your own discretion. However, do not just do easy ones and not just one question per topic. I suggest do at least 2 pages of written practice per night/topic	To Read	Lesson Videos + Practice Questions with Full Solutions	Summaries + Problems with Video Solutions	TI - 89 Calculator Activities	Applets Interactive Tutorials + Quizzes + Videos of tutorials + Graphers available at <a href="http://www.zweigmedia.com/Topsee.html#DerCalc">http://www.zweigmedia.com/Topsee.html#DerCalc</a>
2days	The Derivative Sketches (MCV)	<a href="http://mrsk.ca/AP/d2_1roc.pdf">http://mrsk.ca/AP/d2_1roc.pdf</a> <a href="http://mrsk.ca/AP/wSketchingDeriv.pdf">www.mrsk.ca/AP/wSketchingDeriv.pdf</a>	<a href="http://mrsk.ca/AP/LESSONlimit-definition-of-the-derivative.pdf">http://mrsk.ca/AP/LESSONlimit-definition-of-the-derivative.pdf</a>			<a href="http://education.ti.com/html/13_free_courses/calculus89_online/mod9/mod9_1.html">http://education.ti.com/html/13_free_courses/calculus89_online/mod9/mod9_1.html</a>	<a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_at_a_point.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_at_a_point.html</a> <a href="http://www.personal.psu.edu/dp14/java/calculus/derivativegraph.html">http://www.personal.psu.edu/dp14/java/calculus/derivativegraph.html</a> Derivative Plotter <a href="http://www.flashmath.com/mathlets/calc/der/deriv/index.html">http://www.flashmath.com/mathlets/calc/der/deriv/index.html</a>
	Basic Derivatives (Power Rule) (MCV)	<a href="http://mrsk.ca/AP/ACv2_1derivDef.pdf">www.mrsk.ca/AP/ACv2_1derivDef.pdf</a> <a href="http://mrsk.ca/AP/ACv2_4powerRule.pdf">www.mrsk.ca/AP/ACv2_4powerRule.pdf</a> <a href="http://mrsk.ca/AP/d2_2IntroDer+Sketches.pdf">http://mrsk.ca/AP/d2_2IntroDer+Sketches.pdf</a> <a href="http://mrsk.ca/AP/CALCtangentsDerivatives.pdf">http://mrsk.ca/AP/CALCtangentsDerivatives.pdf</a>	<a href="http://www.famouscientists.org/isaac-newton/">http://www.famouscientists.org/isaac-newton/</a> About Newton <a href="http://www.famouscientists.org/gottfried-leibniz/">http://www.famouscientists.org/gottfried-leibniz/</a> About Leibniz		<a href="http://172calculus.com/calc/03-power.php">http://172calculus.com/calc/03-power.php</a>	<a href="http://education.ti.com/html/13_free_courses/calculus89_online/mod10/mod10_lesson1.html">http://education.ti.com/html/13_free_courses/calculus89_online/mod10/mod10_lesson1.html</a>	Deriv of elementary functions, can type in your own <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_elementary_functions.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_elementary_functions.html</a> Sketch derivative from given then verify answer <a href="http://www.flashmath.com/mathlets/calc/deriv/index.html">http://www.flashmath.com/mathlets/calc/deriv/index.html</a> Another one, gives % accuracy <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_try_to_graph.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_try_to_graph.html</a> Sketch matching <a href="http://www.univie.ac.at/future.media/moe/tests/diff3/abierke/men.html">http://www.univie.ac.at/future.media/moe/tests/diff3/abierke/men.html</a> Another matching <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_matching.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_matching.html</a>
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1.5days	Chain Rule (MCV)	<a href="http://mrsk.ca/AP/ACv2_5chain.pdf">www.mrsk.ca/AP/ACv2_5chain.pdf</a> <a href="http://mrsk.ca/AP/PRACTICEchainFormula.pdf">www.mrsk.ca/AP/PRACTICEchainFormula.pdf</a>	<a href="http://mrsk.ca/AP/LESSONrules-of-differentiation2.pdf">www.mrsk.ca/AP/LESSONrules-of-differentiation2.pdf</a> <a href="http://mrsk.ca/AP/LESSONrules-of-differentiation3.pdf">www.mrsk.ca/AP/LESSONrules-of-differentiation3.pdf</a>	<a href="http://online.math.uh.edu/Math1431/c2/s4/index.html">http://online.math.uh.edu/Math1431/c2/s4/index.html</a>	<a href="http://172calculus.com/calc/03-chain.php">http://172calculus.com/calc/03-chain.php</a>	<a href="http://education.ti.com/html/13_free_courses/calculus89_online/mod10/mod10_lesson4.html">http://education.ti.com/html/13_free_courses/calculus89_online/mod10/mod10_lesson4.html</a>	<a href="http://www.personal.psu.edu/dp14/java/calculus/chainrule.html">http://www.personal.psu.edu/dp14/java/calculus/chainrule.html</a> Interpretation of chain rule with wheels <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_intuitive_chain_rule.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_intuitive_chain_rule.html</a>
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	Implicit Differentiation (AP)	<a href="http://mrsk.ca/AP/wApplyImplicit.pdf">www.mrsk.ca/AP/wApplyImplicit.pdf</a> <a href="http://mrsk.ca/AP/ACv3_6implicit.pdf">www.mrsk.ca/AP/ACv3_6implicit.pdf</a> <a href="http://mrsk.ca/AP/CALCimplicit2.pdf">www.mrsk.ca/AP/CALCimplicit2.pdf</a> <a href="http://mrsk.ca/AP/d3_1implicitDeriv.pdf">www.mrsk.ca/AP/d3_1implicitDeriv.pdf</a>	<a href="http://mrsk.ca/AP/LESSONimplicit-differentiation.pdf">www.mrsk.ca/AP/LESSONimplicit-differentiation.pdf</a>	<a href="http://online.math.uh.edu/Math1431/c2/s5/index.html">http://online.math.uh.edu/Math1431/c2/s5/index.html</a>	<a href="http://172calculus.com/calc/03-implicit.php">http://172calculus.com/calc/03-implicit.php</a>	<a href="http://education.ti.com/html/13_free_courses/calculus89_online/mod13/mod13_1.html">http://education.ti.com/html/13_free_courses/calculus89_online/mod13/mod13_1.html</a>	Implicit equation grapher <a href="http://www.flashmath.com/mathlets/calc/implicit/index.html">http://www.flashmath.com/mathlets/calc/implicit/index.html</a> A bit of conics <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_implicit.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_implicit.html</a>
2days	Derivatives of Exponentials + Logs (MCV)	<a href="http://mrsk.ca/AP/CALCReviewExpLogFunctions+Deriv.pdf">www.mrsk.ca/AP/CALCReviewExpLogFunctions+Deriv.pdf</a> <a href="http://mrsk.ca/AP/ACv3_5expLogDeriv.pdf">www.mrsk.ca/AP/ACv3_5expLogDeriv.pdf</a> <a href="http://mrsk.ca/AP/d3_2logDeriv.pdf">www.mrsk.ca/AP/d3_2logDeriv.pdf</a>	<a href="http://mrsk.ca/AP/LESSONderivExponentialLogarithmic.pdf">www.mrsk.ca/AP/LESSONderivExponentialLogarithmic.pdf</a> e is not just a number <a href="http://mrsk.ca/AP/eNOTjustNumber.pdf">www.mrsk.ca/AP/eNOTjustNumber.pdf</a>		<a href="http://172calculus.com/calc/03-explog.php">http://172calculus.com/calc/03-explog.php</a> <a href="http://172calculus.com/calc/03-logarithmic.php">http://172calculus.com/calc/03-logarithmic.php</a>		Exp Function Deriv, can change base <a href="http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_exponential_functions.html">http://webpace.ship.edu/mrsrenault/GeoGebraCalculus/derivative_exponential_functions.html</a> Derivative Plotter <a href="http://www.math.uri.edu/~biskocz/flashmo/derplot/">http://www.math.uri.edu/~biskocz/flashmo/derplot/</a> Exponential function
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The functions are sitting in a bar, chatting (how fast they go to zero at infinity etc.). Suddenly, one cries "Beware! Derivation is coming!" All immediately hide themselves under the tables, only the exponential sits calmly on the chair.

The derivation comes in, sees a function and says "Hey, you don't fear me. Why not?"  
"Because I'm e to the x", says the exponential self-confidently.  
"Well" replies the derivation "look out then, because I differentiate with respect to y!!"



by: Alexa Wilson

Websites used:

- <http://web2.slc.qc.ca/mh/Math103/Default.htm>
- <http://www.horton.ednet.ns.ca/staff/wheadon/>
- <http://arsenaumath.wordpress.com/>
- <http://www.pages.drexel.edu/~mj485/math121/201225/>