

Unit 4 – Curve Sketching & Optimization

DAY	DATE	LESSON	PRACTICE
1	Tues, Mar 26	Unit Intro: Some Important Terminology for Curves Video lesson 📺 Completed	Exit Pass
2	Wed, Mar 27	Classifying Critical Points with the First Derivative Test Video lesson 📺 Completed	Exit Pass More practice: https://www.mathsisfun.com/calculus/maxima-minima.html and complete Questions 1-10 at the bottom of that page Textbook pg. 170 #4abce and Pg. 178 #1-3,7,9,10,13
3	Thur, Mar 28	Concavity and the Second Derivative Test Video lesson 📺 Completed	Exit Pass Textbook Pg. 205 #1,2a,4ab,9 2nd Derivative Worksheet #1-4 Worksheet - Closed interval
---	Mar 29-Apr 1	  EASTER WEEKEND  	
4	Tues, Apr 2	Points of Inflection Video lesson 📺 Completed	Exit Pass Textbook Pg 206 #8 Concavity and POI Worksheet #1-5
5	Wed, Apr 3	Asymptotes Video lesson 📺 Completed	Exit Pass Textbook Pg. 193 #1-3,5,7,9
6	Thur, Apr 4	Curve Sketching Video lesson 📺 Completed	Exit Pass Textbook Pg. 213 #4abdeg Also: Sketch the following functions $y = \frac{x^2+3x-2}{x-3}$, $y = \frac{4}{x^2+1}$, $y = \frac{x^2}{e^x}$ and check them in Desmos
7	Fri, Apr 5	Curve Sketching Practice Day	Textbook Pg. 213 #4fhij Curve Sketching Worksheet #1-6 Answers Solutions to #6 Textbook Pg. 213 #11 Curve Sketching Worksheet 2 Answers
---	Mon, Apr 8	 PA DAY (Eclipse) 🕶️	
---	Tues, Apr 9	Review FAST TWO Solutions MCV4U GRADE TRACKER (open link, then File → Make a copy)	Textbook Pg. 216 #1-4,6,7,9, 10,12,14,15,17 Textbook Pg. 220 #2,3,5,6 Graphing Practice and Solutions
8	Wed, Apr 10	UNIT 4 TEST (Part 1)	
9	Thur, Apr 11	Optimization Part 1 📺 Video lesson: Part 1 Part 2 Completed	Worksheet 1 Solutions Textbook pg 137 #6,8 and Pg 128 #8
8	Fri, Apr 12	Optimization Part 2 📺 Video lesson: Part 1 Part 2 Part 3	Worksheet 2 Solutions

		Completed	Textbook pg 152 #6
---	Mon, Apr 15	Thought You'd Seen the Last of Optimization Completed	Textbook Pg 157 #14-23,25
---	Tues, Apr 16	Optimization Practice Time	
---	Wed, Apr 17	Optimization Practice Time	
---	Thur, Apr 18	UNIT 4 TEST (Part 2)	