

Math 32 Spring 2016 ASSIGNMENTS		
Lesson	Topic	Homework (Good, free online graphing calculator: <a href="http://desmos.com/calculator">desmos.com/calculator</a> )
1	Functions	§1.1: 29, 32, 40, 41, 55b, 56b, 79, 80; §1.2: 11, 12, 20, 25; §1.3: 22, 24, 41, 54
2	Trig functions	§1.4: 15, 16, 17, 20, 38, 39, 41, 57, 60, 67, 69, 72, 85
3	Limits	§2.1: 7, 8, 10; §2.2: 7, 9, 10, 21, 24, 27, 28, 31
4	Computing limits	§2.3: 14, 15, 16, 18, 20, 28, 33, 39, 40, 41, 46, 47, 55ac, 56b
5	Infinite limits	§2.4: 8, 10, 11, 15, 19, 20, 23, 41, 44
6	Limits at infinity	§2.5: 9, 12, 14, 15, 16, 17, 18, 26, 29, 31, 45, 48, 67, 71, 74
7	Continuity	§2.6: 11, 13, 15, 17, 18, 29, 40, 41, 44, 53, 55, 59, 64
8	The derivative	§3.1: 9, 11, 12, 19, 30, 31, 32; §3.2: 7, 9
9	Rules	§3.3: 7, 10, 14, 16, 23, 25, 27, 28, 35, 37, 39, 46, 49
10	More rules	§3.4: 8, 9, 14, 19, 21, 23, 27, 36, 38, 43, 49, 59, 61
11	Trig derivatives	§3.5: 7, 11, 12, 21, 23, 25, 41, 57, 58, 62, 63, 67
12	Chain rule	§3.7: 7, 9, 10, 14, 15, 16, 27, 31, 36, 37a, 47, 49, 58, 59, 68
13	Implicit differentiation	§3.8: 9, 10, 13, 19, 28, 35, 46, 73, 74
14	Logs & exponents	§3.9: 9, 10, 13, 19, 23, 26, 27, 36, 38, 45, 46, 61, 66
15	Inverse trig functions	§1.4: 61, 62, 75, 77; §3.10: 8, 10, 12, 16, 31, 32
16	Exam I Review	Exam I covers lessons 1-14. Exam I is Monday, February 29 from 12-1:20 in a room to be announced. It is not in your classroom.
17	Related rates	§3.11: 10, 11, 13, 18, 23, 25, 26, 40
18	Related rates	§3.11: 29, 32, 34, 39, 46, 50
19	Max-min	§4.1: 11, 12, 15, 22, 27, 31, 33, 37, 40, 42, 47
20	Concavity, etc.	§4.2: 20, 21, 22, 26, 32, 42, 46, 47, 54, 59, 61, 71, 79
21	Graphing	§4.3: 9, 13, 15, 16, 17
22	Graphing	§4.3: 22, 24, 27, 33, 34
23	Optimization	§4.4: 5, 7, 14a, 16, 17
24	Optimization	§4.4: 20, 24, 29, 48, 54
25	Linear approximation	§4.5: 13, 15, 21, 23, 25, 31, 33, 35, 42
26	Mean Value Theorem	§4.6: 7, 8, 10, 11, 17, 21, 22, 23, 29, 30
27	L'Hopital's Rule	§4.7: 15, 17, 19, 25, 29, 40, 55, 56, 70, 71
28	Anti-derivatives	§4.9: 11, 15, 17, 19, 20, 21, 22, 25, 32, 33, 34, 35, 37, 38, 39, 55, 57, 60, 64, 84, 85, 89, 90
29	Approximating areas	§5.1: 9a, 18, 32, 65; §5.2: 21, 25, 29, 31, 37-40, 41, 42, 43, 44
30	Fundamental Thm	§5.3: 17, 30, 31, 33, 34, 36, 39, 40, 43, 45, 46, 47
31	Exam II Review	Exam II covers lessons 15, 17-29. Exam II is Monday, April 11 from 12-1:20 in a room to be announced. It is not in your classroom.
32	Fundamental Thm	§5.3: 49, 51, 57, 59, 60, 61, 63, 64, 75
33	Average Values	§5.4: 7, 9, 10, 19, 22, 23, 24, 26, 33, 34
34	Substitution	§5.5: 13, 14, 17, 18, 19, 20, 22, 23, 25, 28, 33, 79
35	Substitution	§5.5: 36, 37, 42, 43, 45, 46, 51, 52, 53, 54, 68, 92
36	Velocity, etc.	§3.6: 17, 31, 34; §6.1: 8, 13, 15, 22, 27, 30, 32, 34, 58
37	Regions between curves	§6.2: 10, 11, 13, 14, 15, 17, 22, 23, 34, 53
38	Review	
39	Final Review	The final exam is cumulative.