

Mr Stephenson's College Precalculus Assignments for 2011-2012 Quarter 1 (v. 11/17, 06:01)

Textbook: Blitzer, Precalculus, 2nd Ed., Prentice Hall, Upper Saddle River, NJ, 2004

This document's URL is <http://sks23cu.net/MT/FY12/Assignments/Qtr-1/assign12Q1CpreCalc.doc>

L := Lesson, C := C.Lab., Q := Quiz, T := Test, E := Exam, PE := Practice Exercises, CW := Classwork.

EVERY ASSIGNMENT INCLUDES READING THE COVERED SECTIONS IN THE TEXT.

(PLANNING) ENTRIES LATER THAN ORANGE HIGHLIGHT MAY CHANGE.

Day	Date	Activity	Description
1	T8/30	No Class	Freshmen Only
2	W8/31	No Class	Advisory Frozen
3	R9/1	L0	CW: Polynomial addition & multiplication worksheets.
	F9/2 H	Holiday	Labor Day Recess
	M9/5 H	Holiday	Labor Day
4	T9/6	Quiz 1-1	Pretest
5	W9/7		
6	R9/8	L1.1.1	Graphs; Read pp 115-118 PE: p121: 1-27 odds
7	F9/9	L1.1.2	Viewing Rectangle, Intercepts, Info in Graphs; Read pp 118-121 PE: p.121: (29-53, 61-63) odds, 60
8	M9/12 Q	LP.8.1	Solve Quadratic Equations by Factoring & Square Root - Ex's 1-2 PE: p.97: 1-25 odds
9	T9/13	LP.8.2	Completing the Square - Ex's 3-4; {ck 1.1.1, 1.1.2} PE: p.97: 27-53 odds
10	W9/14	LP.8.3	The Quadratic Formula - Ex's 5-6 PE: p.97: 55-69 odds
11	R9/15	LP.8.4	Which Method? & Applications - Ex's 7-8; {ck P.8.1, P.8.2} PE: p.97: (73, 77-83, 91-99) odds; also see http://bit.ly/sks23cuPTproof
12	F9/16	L1.2.1	REVIEW Lines and Slope from Algebra; Read pp.124-137 PE: p.138: (1-65) e.o.o., (77, 97-99) odds; {ck P.8.3}
13	M9/19 Sub	CW-lines	Do worksheet, finding equations of lines, and submit at end of class.
14	T9/20	L1.3.1	Distance & Mid-Point Formulas - Ex's 1-2 PE: p.148: 1-29 e.o.o. [8]
15	W9/21 ER115	Review	
16	R9/22 T	Test 1-1	Covers Days 6-13
17	F9/23 Sub	CW-d+mp	Do distance and midpoint worksheet and submit at end of class.
18	M9/26	L1.3.2	Circles - Ex's 4-6; {ck P.8.4, 1.2.1} PE: p.148: 31-55 e.o.o., 59 [8]
19	T9/27	L1.4.1	Basics of Functions, Read pp. 150-159 PE: p.160: 1-85 e.o.o., 103 [n=23] Work on PE as HW on 9/27, CW on 9/28, and HW on 9/28.
20	W9/28 Sub		
21	R9/29	L1.5.1	Graphs of Functions - Ex's 1-4; Read pp. 163-167 PE: p.177: 1-13 e.o.o., 15-37 odds; {ck 1.3.1, 1.3.2}
22	F9/30	L1.5.2	Inc.Dec., Rel.Max/Min, AvgRates - Ex's 5-7; Read pp. 168-173 PE: p.179: 39-61 odds
23	M10/3 Q	L1.5.3	Even/Odd, Symmetry, Step Functions - Ex 8; Read pp. 173-176 PE: p.180: (63-83, 119-121) odds
24	T10/4	L1.6.1	Transformations: Shifts, Reflections, Stretching - Ex's 1-8 PE: p.193: (1-63, 67-73) odds, 66 [n = 37 over 4 days]

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25	W10/5	L1.6.2	Transformations: Finish Ex's 1-8; {ck 1.4.1, 1.5.1} PE: p.193: (1-63, 67-73) odds, 66 [n = 37 over 4 days]
26	R10/6	L1.6.3	Classwork: Work on 4 day Practice Exercises Assignment; i.e.: PE: p.193: (1-63, 67-73) odds, 66 [n = 37 over 4 days]; {ck 1.5.2, 1.5.3}
27	F10/7 ProgRprt Sub	L1.6.4	Distribute Progress Reports; Classwork: Work on 4 day Practice Exercises Assignment; i.e.: PE: p.193: (1-63, 67-73) odds, 66 [n = 37 over 4 days]
	M10/10 H	Holiday	Columbus Day
28	T10/11	L1.6.5	Q&A on 1.6.1-1.6.4 PE's.
29	W10/12 SrPhoto845 Sub	Quiz 1-2	Complete these review exercises from your textbook without using a graphing calculator: p.112: 137-155 odds; and p.236: (1, 5, 13-21, 25-39) odds, 40, (41-43) odds, 46, (47-79, 83-85) odds. [48 exercises over 5 days] For each exercise, in your handwriting: <ul style="list-style-type: none"> • state the original question; • provide a complete solution: <ul style="list-style-type: none"> ○ show any formulas you use and indicate what their constants mean, ○ show all the work necessary (don't "do it in your head"), ○ and/or explain your thinking in complete English sentences; • make sure your solution: <ul style="list-style-type: none"> ○ leads logically to your final answer, and that ○ your final answer is exactly like the one in the back of the text. You may refer to your textbook and notebook and work in small groups. You will submit a complete packet in your handwriting on 10/19. Grading: 20 points for overall completeness and 16 points for each of 5 randomly selected exercises for a total of 100 points.
30	R10/13 Sub		
31	F10/14 T Sub		
32	M10/17 Sub		
33	T10/18 Sub		
34	W10/19	L1.7.1	{ck 1.6.1-1.6.4}; Submit Quiz 1-2; Combinations of Functions: Arithmetic & Composition - Ex's 3-5 PE: p.206: 1-29 e.o.o.; [8]
35	R10/20	L1.7.2	Decomposition of Functions - Ex 6 PE: p.206: 35-5755 e.o.o.; [6]
36	F10/21	L1.8.1	Inverse Functions - Ex's 3-4 PE: p.216: 1-15 odds; [8]
37	M10/24 MEPA	L1.8.2	Inverse Functions - Ex's 5-6; {ck 1.7.1-1.7.2} PE: p.216: 17-31 odds; [8]
38	T10/25 Q MEPA Sub	L1.8.3	Inverse Functions PE: p.217: (33-37, 43, 61-65) odds; [7]

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Day	Date	Activity	Description
39	W10/26 ER1145	L1.9.1 QA Assigned	Modeling With Functions - Ex's 1-2 PE: p.228: 1-11 odds; [6] The Quarter Assessment (QA) is the following 3 open-response problems (work individual, but open book & take home; Due 11/2 at end of class): 1. Text p.229#6 2. a & b: Text p.230#14 a & b; c: Use point plotting to accurately graph your T function and use your graph to estimate the number of trees per acre that results in the maximum yield. 3. a: Text p.230#18; b: Use point plotting to accurately graph your A function and use your graph to estimate the maximum combined area possible and state the x-value(s) that give that maximum area. Your responses should restate the questions, then solve and answer all parts in clear, concise, and accurate ways without using a graphing calculator. Show all work necessary and/or explain fully.
40	R10/27	Review	Make a 2-sided review sheet in your handwriting to attach to the test.
41	F10/28	Test 1-2	Covers Days 14-38
	M10/31	No School	Snow Days; Work at home on The Quarter Assessment (QA) , defined above. Work individual, but open book. Due 11/3.
	T11/1		
42	W11/2	L1.9.2 Classwork	Modeling With Functions - Ex 3 Work on The Quarter Assessment (QA) , defined above. Work individual, but open book. Due at beginning of class tomorrow.
43	R11/3	QA Due	Quarter Assessment collected at beginning of class.
44	F11/4 E	L1.9.331	Modeling With Functions - Ex's 4-7 PE: p.230: read 52, then do (15-45, 59-61) odds, then do 52; [19]
45	M11/7 Sub	Study	
1	T11/8	L2.1.1	Operations with Complex Numbers - Ex's 1-3; {ck 1.8.1-1.8.3} PE: p.252: 1-29 e.o.o.; [8]
2	W11/9 Grds 8am	L2.1.2	Operations with Complex Numbers - Ex's 4-5 PE: p.252: (33-49 e.o.o.), (59-63 odds); [8]
3	R11/10	p1 & p2: p2: Video	{ck 1.9.1, 1.9.3} http://sks23cu.net/MT/Files/classVideos/circularMotionExamples.m4v
4	F11/11	Holiday	Veteran's Day
5	M11/14 Sub	Study	
6	T11/15 Updts8am+	Q&A	Return graded work and answer questions.
7	W11/16 Updts-11am	<u>L2.2.1</u>	Quadratic Functions - Ex's 1-2; PE: p.264: 1, 3, 9, 11, 17, 19; [n=6]
8	R11/17	<u>L2.2.2</u>	Quadratic Functions - Ex's 4-6 PE: p.264: 5, 7, 13, 15, 21, 23; [n=6]
9	F11/18 Sub	L2.2.3	Students to work on Practice Exercises in class and finish as homework: PE: p.264: 25-37 odds; [7]