

M22 Final Concepts F11

You should study your previous exams and the concepts for a complete review. You are still expected to have a grasp of the basic concepts from each of the chapters.

The first most important task is to make sure that the course objectives have been thoroughly tested, but in addition there will be problems that test basics that are needed for Calculus and general knowledge.

Test #1 on Tuesday Ch. 5-7 (regardless of edition)

Meeting Objective	Test Problems	Chapter/Concept
Objective 2&3	#13 T#1b-a/b #14 T#1b-a or #17 T#1b-b #23 T#1b-a or #15 #1b-b EC on T#1b-a/b	Ch. 6 Application of Right Triangle Knowledge
Objective 3	#51 p. 516 Ed 5 #53 p. 483 Ed 6 #31-34 p. 515 Ed 5 #33-36 p. 481 Ed 6	Ch. 6 Area of a Triangle & Applications
Objective 5	#2-6 T#1b-a/b #9&10 T#1a-a/b	Ch 5 Graphs of Trig F(n) Amplitude, Vertical shift, Phase shift & Period
For Calculus	#7 Test #2 #1-4 Test #2	Ch. 7 Verifying/Proving/ Simplifying Trig Identities
For Calculus	#5&6 Test #2	Ch. 7 Solving Trig Eq.
For Calculus	#1 T#2 Both EC T#2 #19 T#1b-a #16 T#1b-b	Ch. 5/6/7 Using inverses/formulas & trig f(n) to find exact values
Gen'l Trig Knowledge	#2 T#1a-a/b #3 T#1a-a/b #5 T#1a-a/b	Ch. 5/6/7 Using Terminal Points to find trig values
Gen'l Trig Knowledge	#8 T#1a-a/b #15 T#1b-a #18 T#1b-b	Ch. 5/6/7 Using quadrant info to determine sign of trig f(n) values
Gen'l Trig Knowledge	#2 T#1a-a/b #7 T#1a-a/b #8 T#1a-a/b	Ch. 5/6/7 Fundamental Identities to find trig f(n) values
Gen'l Trig Knowledge	#9&10 T#1b-a/b	Ch. 5/6/7 Arc Length

I will attach the same sheets to this first test that I did to Test #2. The sheets will contain the Fundamental Identities and Formulas for sums, differences, sum \rightarrow product, product \rightarrow sum, double angle and half angle formulas (and whatever I may have forgotten in my list ☺).

Test #2 on Thursday Ch. 8,10&11(Ed5) and Ch. 8, 11&12(Ed6)

Meeting Objective	Test Problems	Chapter/Concept
Objective #1	#7 T#3a/b	Ch. 8.4 Ed5 & Ch. 9.2 Ed 6 Work Problem using vectors
Objective #7	#11&12 T#2	Ch. 8 in either edition Polar→Rectangular Graphing Polar
Objective #8	#7 p. 594 in Ed 5 #9 p. 553 in Ed 6 #10 p. 594 in Ed 5 #12 p. 553 in Ed 6	Symmetry & Intercepts for Polar Graphs
*Objective #7	#12 & EC of T#3a/b	Ch. 10.7 Ed5 or Ch. 8.4 Ed6 Solving Parametric Eq. Parametric→Rect
Objective #9	#8-11 T#3a/b	Ch. 10 Ed5 & Ch. 11 Ed6 Conics: Graphing, ID & Eqs
*Objective #10	Means as in Class 12 Days Xmas HW Prob Interest as in HW Prob Describe decimal as Fraction	Ch. 11 Ed5 or Ch. 12 Ed6 Describe using sequences Partial & Infinite Sums
*Objective #10	As 1 problem in class by induction	Ch. 11 Ed5 or Ch. 12 Ed6
*Objective #11	As class problems finding terms in binomial expansion	Ch. 11 Ed5 or Ch. 12 Ed6 Pascal's Triangle, Binomial Coefficients, Terms using Bi Thm.

On this test anything with a star next to it could be tested using long answer as in previous tests, because it is previously untested material. Anything that is not starred you could expect to be multiple choice.

Don't forget your calculator!

8.5x11 note card is permitted per test.

No cell phones or PDA's are allowed out during a test.

****Even with multiple choice, I will assign partial credit for work shown. If you choose the correct answer I won't bother to look at the work, but if you choose the wrong answer and have work shown I could give you up to 3.5 out of 4 points.**

You will not be allowed to sit where you want for the final exams. I will seat you where I choose and there will be NO moving.