

MFM 2P
Material To Be Covered
2007-2008
Semester 1

DATE	EXERCISE	FUNCTIONS	PAGE	QUESTIONS
Sept. 4		Review and Preview	9	1,2
Sept. 5	1.1	Investigating Relationships In Data	10	1,3,6
Sept. 6	1.2	What Is A Function	21	1ab,5acef,6,10
Sept. 7	1.3	Using a Graphing Calculator To Analyse Data	26	textbook exercise
Sept. 10	1.6	Using The Geometer's Sketchpad	40	Computer Lab
Sept. 11	2.1	Linear Functions	58	1ac,2a,3,4,5,11
Sept. 12	2.1	Linear Functions	58	1ac,2a,3,4,5,11
Sept. 13	2.2	The Equation of a Line: $y=m(x-p)+q$	65	1,2,3cd
Sept. 14	2.2	The Equation of a Line: $y=m(x-p)+q$	65	4acf,5odd
Sept. 17	2.3	Applications of Linear Equations	68	1,2,3,7,8ace,10odd,11odd
Sept. 18	2.4	Piecewise Linear Functions	75	2 handouts
Sept. 19		Chapter 1 Review		
Sept. 20		Chapter 2 Review		
Sept. 21		Chapter 1 & 2 TEST		

DATE	EXERCISE	LINEAR SYSTEMS	PAGE	QUESTIONS
Sept. 24	3.1	Using Graphing Calculators To Solve Linear Systems	116	1,2,4,6,8a,9a
Sept. 25	3.2	Solving Linear Systems By Substitution	129	1a,2c,3b,5a,7,9a,10a,11a
Sept. 26	3.3	Solving Linear Systems By Elimination	135	1ab,2a, 3af,4df
Sept. 27	3.3	Solving Linear Systems By Elimination	137	8ae,9bd
Sept. 28	3.4	Applications of Linear Systems	143	1af,2a,3
Oct. 1	3.4	Applications of Linear Systems	143	4,7,8
Oct. 2		FAIR DAY		
Oct. 3		Chapter 3 Review		
Oct. 4		Chapter 3 TEST		

DATE	EXERCISE	Ratio and Proportions	PAGE	QUESTIONS
Oct. 5	4.1	What is a Proportional Relationship?	171	1ac,2af,3a,(i,vii),4a,6ab,7,8,9,10
Oct. 8		Thanksgiving		
Oct. 9	4.2	Working With Proportional Relationships	182	4-9,14,22
Oct. 10	4.3	Food For A Healthy Heart	189	3abc
Oct. 11	4.4	Interpreting Scale Diagrams and Maps	195	1-7,11,18
Oct. 12	4.5	Drawing Scale Diagrams	206	1,2odd,3odd,4ad,8,10
Oct. 15		Chapter 4 Review Test		
Oct. 16		Chapter 4 TEST		

DATE	EXERCISE	Similar Triangles and Trigonometry	PAGE	QUESTIONS
Oct. 17	5.1	Using Geometer's Sketchpad: Additional Toolkit	222	do investigations
	5.2	Using Geometer's Sketchpad: Similar Triangles	226	do investigations
Oct. 18	5.3	Similar Triangles	235	2,3,5,6,7,8,10
Oct. 19	5.4	Solving Problems Using Similar Triangles	243	1a,2-10 (assignment)
Oct. 22	5.5	Using Geometer's Sketchpad: The Tangent Ratio	246	do investigations
Oct. 23	5.6	The Tangent Ratio In A Right Triangle	254	1,3abc,5,6ab,9,11,12
Oct. 24	5.7	Calculating Angles In A Right Triangle	259	
Oct. 25	5.8	Using Geometer's Sketchpad: Sine and Cosine Ratio	264	
Oct. 26	5.9	The Sine and Cosine Ratio In A Right Triangle		
Oct. 29	5.10	Calculating Angles In A Right Triangle		
Oct. 30		PA DAY		
Oct. 31	5.11	Measuring Inaccessible Heights		
Nov. 1	5.12	Solving Problems Using More Than One Triangle		
Nov. 2		Chapter 5 Review		
Nov. 5		P.A. Day		
Nov. 6		Chapter 5 TEST		

DATE	EXERCISE		PAGE	QUESTIONS
Nov. 7	6.1	The Shape of a Parabola	302	Investigation 1,2 and 3
Nov. 8	6.1	The Shape of a Parabola	309	1,2ab,3ac,4,5
Nov. 9	6.2	Parabola & Quadratic Functions	317	1,2,3
Nov. 12	6.3	Investigating Relationships in Data	326	1-5
Nov. 13	6.4	Projectile Motion	331	Do investigation 1
Nov. 14	6.5	Graphs of Quadratic Functions	332	1-6
Nov. 15	6.5	Ex. 6.5 Worksheet		Hand In
Nov. 16	6.5	Ex. 6.5 Worksheet #1		Hand In
Nov. 19	6.5	Ex. 6.5 Worksheet #2		Hand In
Nov. 20		Chapter 6 Review	340	6,7ad,8ad,9,10,11,14
Nov. 21		Chapter 6 Test		

DATE	EXERCISE		PAGE	QUESTIONS
Nov. 22	7.1	Multiplying a Polynomial By a Monomial	352	4-7,11
Nov. 23	7.2	Common Factoring	358	1-8,10,12,14
Nov. 26	7.3	Round Robin Scheduling	360	Assignment
Nov. 27	7.4	Multiplying Two Binomials	366	6,8,10,11,13,15,16
Nov. 28		Worksheets on expanding		Hand In ALL Work
Nov. 29		Worksheet #2 & #3		Hand In All Work
Nov. 30	7.5	Expanding & Simplifying Polynomial Expressions	371	1-5,6-9odd,10
Dec. 3	7.6	Factoring Trinomials of the form x^2+bx+c	376	1,5a,6a,7,8
Dec. 4	7.6	Factoring Trinomials of the form x^2+bx+c	376	9odd,10odd,11odd
Dec. 5	7.7	Factoring a Difference of Squares	383	1,2,3,4a,9
Dec. 6	7.8	Solving Quadratic Equations By Factoring	389	1,2,3
Dec. 7	7.8	Solving Quadratic Equations By Factoring	389	4acf,5adh,8
Dec. 10		Chapter 7 Review	391	1-9
Dec. 11		Chapter 7 TEST		

DATE	EXERCISE		PAGE	QUESTIONS
Dec. 12		Review for Culminating Assignment		
Dec. 13		Review for Culminating Assignment		
Dec. 14		Review for Culminating Assignment		
Dec. 17		Culminating Assignment		
Dec. 18		Culminating Assignment		
Dec. 19		Culminating Assignment		
Dec. 20		Culminating Assignment		
Dec. 21	8.1	Transforming the Graph of $y=x^2$	406	
Dec. 22 - Jan.6		Holidays		
Jan. 7	8.2	Analysing the Graph of $y=a(x-p)^2+q$	413	
Jan. 8	8.3	Relating the Graphs of $y=ax^2+bx+c$ and $y=a(x-p)^2+q$	422	
Jan. 9	8.4	Applications of Quadratic Functions	429	
Jan. 10	8.5	The Basketball Free Throw		
Jan. 11	8.6	Chapter 8 Review Test		
Jan. 14	8.8	TEST - Chapter 8		
June 15 to June 23		Final Exam Review		