

MAC1105 College Algebra - Homework - Fall 2009 - Falzone

<b>HOMEWORK 1</b>	
<b>Chapter R</b> (review)	<b>R.1</b> # 1, 4, 11, 15, 17, 21, 23 <b>R.2</b> # 1, 19, 23, 37, 39, 87 <b>R.3</b> # 9, 17, 23, 29, 41 <b>R.4</b> # 1, 9, 19, 27, 49, 59, 67, 69, 81, 93, 107 <b>R.5</b> # 3, 13, 25, 35, 37, 55 <b>R.6</b> # 7, 19, 31, 39, 57 <b>R.7</b> # 15, 17, 27, 45, 47, 55, 65, 67, 71, 87, 89, 97
1.1	9, 17, 23, 27, 37, 43, 45, 51, 55, 63, 65, 67, 77, 83, 89, 99, 101, 103, 105, 107, 113, 115, 117
1.2	15, 17, 21, 23, 31, 33, 35, 37, 43, 45, 51, 59, 71, 73, 75, 79
1.3	Pg. 109 – Visualizing the Graph – Problems 1 – 10 and 5, 7, 8, 9, 11, 13, 17, 23, 31, 33, 35, 37, 43, 47, 53, 69, 70
1.4	1, 5, 7, 9, 15, 19, 21, 23, 29, 35, 39, 43, 49, 51, 57, 59, 61, 65, 69
1.5	1, 7, 9, 13, 17, 23, 25, 29, 33, 35, 38, 45, 48, 59, 71, 75, 87, 89, 91, 95, 107
1.6	1, 3, 9, 17, 23, 25, 29, 31, 37, 39, 43, 45
	Find an Equation of a Circle - <a href="#">Worksheet</a> Graphing Calculator Computations 2 - <a href="#">Worksheet</a> Long Distance Phone Rates - <a href="#">Worksheet</a>
Extra Credit: <a href="#">MyMathLab Quiz 1</a> or <a href="#">Research Report</a> or <a href="#">Excel Graph</a> (5 points)	

<b>HOMEWORK 2</b>	
2.1	1, 3, 5, 7, 9, 11, 13, 15, 19, 23, 27, 33, 42, 43, 47, 51, 55, 71, 73, 75
2.2	1, 3, 11, 15, 17b, 19a, 24a, 33, 36, 39, 42, 47, 57
2.3	1, 3, 5, 9, 11, 15, 17, 19, 23, 43
2.4	Pg. 213 – Visualizing the Graph – Problems 1 – 9 and 1, 3, [visually: 7, 9, 11, 13, 19], 33, 35, 39, 41, 49, 51, 53, 61, 63, 67, 71, 75, 79, 83, 97, 99, 103, 129
	Analyze the Graph – Class Worksheet - <a href="#">Worksheet</a> Graphing Transformations 2 - (given the graph of a parabola, find its equation) - <a href="#">Worksheet</a> Graphing Transformations 4 - (given the graph of a function, find its equation) - <a href="#">Worksheet</a> Create a Picture & Graphs of Equations (3+ types of graphs) - <a href="#">Template</a> , <a href="#">Directions</a> , <a href="#">Example</a> Analyze the Graph: $y = - x + 3  + 4$ <a href="#">Template</a> , <a href="#">Example</a> Download & Complete Sample Test 2 - <a href="#">Test</a>
Extra Credit: <a href="#">MyMathLab Quiz 2</a> or <a href="#">Research Report</a> or <a href="#">Excel Graph</a> (5 points)	

<b>HOMEWORK 3</b>	
3.1	1, 3, 9, 11, 15, 17, 21, 25, 27, 31, 33, 35, 37, 45, 47, 51, 55, 61, 63, 67, 83
3.2	1, 3, 5, 7, 11, 13, 15, 17, 21, 23, 27, 31, 39, 43, 47, 51, 55, 69, 75, 85, 117, 119
3.3	Pg. 271 – Visualizing the Graph – Problems 1 – 10 and 3, 7, 13, 17-24 all, 31, 39, 41, 46, 49, 53
3.4	1, 5, 9, 11, 13, 21, 29, 33, 37, 39, 43, 51, 53, 59, 61, 83
3.5	1, 11, 15, 17, 21, 27, 33, 39, 45, 47, 51, 55
	Solving Equations with your Graphing Calculator 2 - <a href="#">Worksheet</a> The Quadratic Formula 2 - <a href="#">Worksheet</a> Maximize the Area - <a href="#">Worksheet</a> Analyze the Graph: $y = x^2 - 6x + 5$ <a href="#">Template</a> , <a href="#">Example</a> Download & Complete Sample Test 3 - <a href="#">Test</a>
Extra Credit: <a href="#">MyMathLab Quiz 3</a> or <a href="#">Research Report</a> or <a href="#">Create Picture</a> (4+ types) (5 points)	

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<b>HOMEWORK 4</b>	
4.1	1, 11, 17, 19-22 all, 23, 25, 27, 33, 35, 37, 39, 41, 47, 53, 69, 71, 73, 75
4.2	Pg. 320 – Visualizing the Graph – Problems 1 – 10 and 1, 3, 7-12 all, 17, 21, 23, 43-48 all
4.3	1, 11, 13, 15, 17, 19, 23, 25, 31, 33, 35, 39, 41, 47
4.4	1, 5, 11, 13, 15, 17, 43, 51, 53, 55, 57, 71
4.5	Pg. 356 – Visualizing the Graph – Problems 1 – 10 and 1, 3, 5, 7, 9, 11, 13, 17, 21, 23, 25, 27, 33, 39, 41, 53, 57, 63, 75, 77, 79
4.6	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 31, 53, 57
	Factoring a Polynomial by Using Its Graph 2 - <a href="#">Worksheet</a> Factoring Polynomials – Finding Zeros of Polynomials - <a href="#">Worksheet</a> Analyze the Graph: $y = \frac{x + 3}{x - 2}$ <a href="#">Template</a> , <a href="#">Example</a>  Download & Complete Sample Test 4 - <a href="#">Test</a>
Extra Credit: <a href="#">MyMathLab Quiz 4</a> or <a href="#">Research Report</a> or <a href="#">Create Picture</a> (4+ types) (5 points)	

<b>HOMEWORK 5</b>	
5.1	1, 5, 7, 25, 27, 29, 31, 33, 35, 37, 39, 55, 57, 63, 69, 75, 89, 93, 99, 101
5.2	1, 7, 11, 15, 27, 29, 35, 43, 49, 53, 58
5.3	Pg. 422 – Visualizing the Graph – Problems 1 – 10 and 5, 7, 9-33 odds, 45, 47, 49, 55, 57, 59, 61, 63, 67, 69, 75, 81
5.4	1, 7, 11, 15, 19, 21, 23, 25, 29, 35, 39, 43, 45, 49
5.5	1, 3, 5, 7, 11, 17, 21, 29, 31, 33, 35, 37, 41, 53, 55, 63
5.6	1, 3, 7, 13
	Functions & Inverses - <a href="#">Worksheet</a> Drug Medication - <a href="#">Worksheet</a> Analyze the Graph: $y = \ln(x - 2)$ <a href="#">Template</a> , <a href="#">Example</a>  Download & Complete Sample Test 5 - <a href="#">Test</a>
Extra Credit: <a href="#">MyMathLab Quiz 5</a> or <a href="#">Research Report</a> or <a href="#">Create Picture</a> (4+ types) (5 points) and Extra Credit: Chapter 6 - Systems of Linear Equations - <a href="#">Worksheet</a> (10 points)	

**End of the Term Grade Calculations**

5 Homework Sets	150 pts.	A	630 – 700+ pts
4 Highest Test Scores	400 pts.	B+	595 – 629 pts
Final Exam	+ 150 pts.	B	560 – 594 pts
<b>Total</b>	<b>700 pts.</b>	C+	525 – 559 pts
Plus Extra Credit	0 – 35 pts.	C	490 – 524 pts
(note: You may NOT drop Test 5)		D+	455 – 489 pts
		D	420 – 454 pts
		F	0 – 419 pts

Refer to the **Student Progress Worksheet** for details: [PDF](#) format