

MAC2233 Business Calculus Algebra Homework Problems
Falzone Applied Calc, 2nd edition, Frank C. Wilson

HOMEWORK 1 - Ch 1: Functions and Models	
1.1	1-20
1.2	1-20
1.3	1-15, 21-25, 27, 29,
1.4	1-25
1.5	1-8, 11-13, 15-25
Other:	Assessed value of \$107,180 – calculate taxes (see http://petefalzone.com/handouts/property-tax.pdf)

HOMEWORK 2 - Ch 2: The Derivative and Ch3: Differentiation Techniques	
2.1	1-15, 17-20
2.2	[2, 3, 5], [7, 8, 10], 12, 13, 14, 17, 18, 20, 21
2.3	1, 2, 3, 5, 8, 10, 12, 13, 17, 19, 20
2.4	1, 2, 3, 7, 9, 10,
2.5	1, 2, 4, 5, 6, 8, 11, 12, 13, 14, 16, 19 (omit tangent line approximations when asked)
3.1	1-15
3.2	1-18
3.3	1, 2, 4, 6-15, 16, 20, 21, 22, 23
3.4	1-12, 14-17, 19
3.5	1-7, 11-14, 16, 17
Other:	CPI Rent problems Paycheck Calculations worksheet

HOMEWORK 3 - Ch 4: Derivative Applications	
4.1	1-8, 8, 10-13, 15, 19, 21, 24
4.2	1, 2, 3, 6, 7, 8, 9, 15, 16
4.3	1, 2, 3, 6, 7, 8, 11, 12, 14, 16, 17, 18
4.4	1, 2, 3, 4, 6, 7, 9, 10, 12, 13, 14, 15
Other:	Perimeter & Area worksheet Volume worksheet Trendline/Regression worksheet Relate the graph of f' and f'' to the graph of f

HOMEWORK 4 - Ch 5: The Integral	
5.1	1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 15, 16, 19, 20
5.2	1, 2, 3, 4, 5, 6, 9, 10, 12, 13, 14, 15, 16, 18
5.4	1-14, 16, 17
5.5	1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 16, 17, 18
Other:	