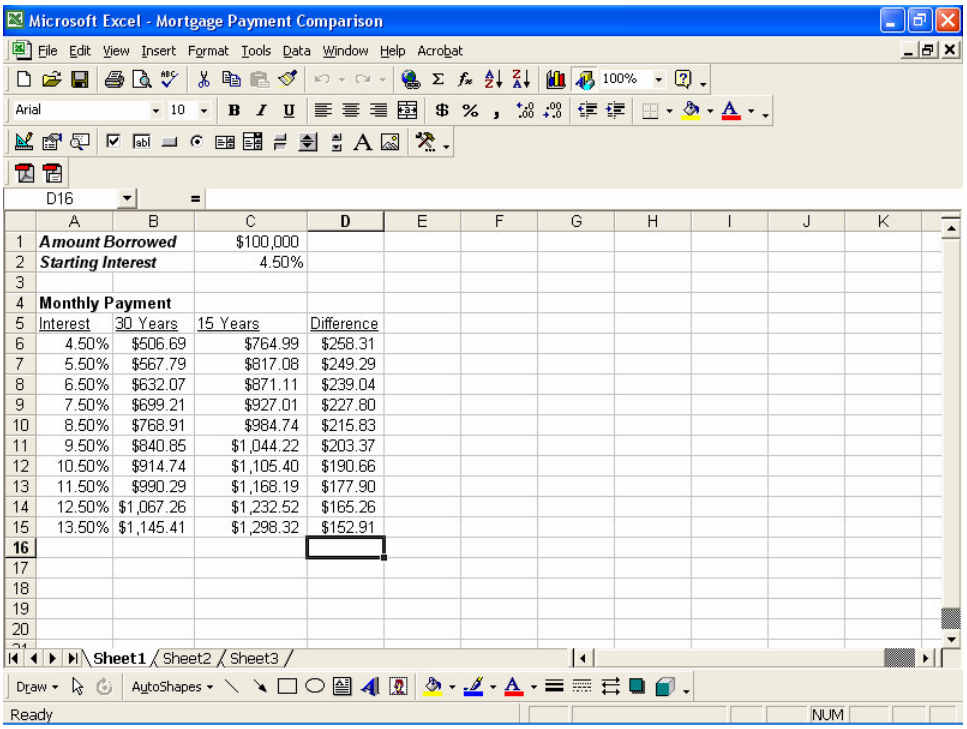
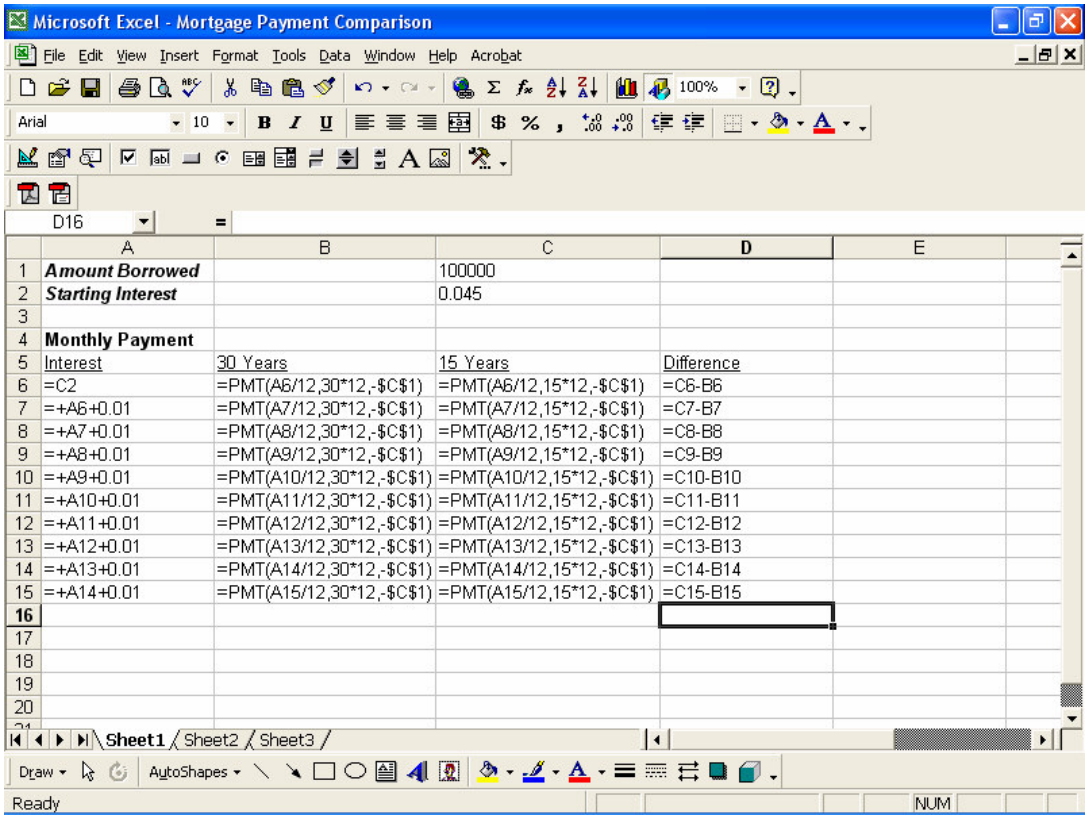
Microsoft Excel 2000
Using Formulas to Calculate Grades

Analysis of a Mortgage Loan



	A	B	C	D
1	***Amount Borrowed***		$100,000	
2	***Starting Interest***		4.50%	
3				
4	**Monthly Payment**			
5	Interest	30 Years	15 Years	Difference
6	4.50%	$506.69	$764.99	$258.31
7	5.50%	$567.79	$817.08	$249.29
8	6.50%	$632.07	$871.11	$239.04
9	7.50%	$699.21	$927.01	$227.80
10	8.50%	$768.91	$984.74	$215.83
11	9.50%	$840.85	$1,044.22	$203.37
12	10.50%	$914.74	$1,105.40	$190.66
13	11.50%	$990.29	$1,168.19	$177.90
14	12.50%	$1,067.26	$1,232.52	$165.26
15	13.50%	$1,145.41	$1,298.32	$152.91



	A	B	C	D
1	***Amount Borrowed***		100000	
2	***Starting Interest***		0.045	
3				
4	**Monthly Payment**			
5	Interest	30 Years	15 Years	Difference
6	=C2	=PMT(A6/12,30*12,-C1)	=PMT(A6/12,15*12,-C1)	=C6-B6
7	=+A6+0.01	=PMT(A7/12,30*12,-C1)	=PMT(A7/12,15*12,-C1)	=C7-B7
8	=+A7+0.01	=PMT(A8/12,30*12,-C1)	=PMT(A8/12,15*12,-C1)	=C8-B8
9	=+A8+0.01	=PMT(A9/12,30*12,-C1)	=PMT(A9/12,15*12,-C1)	=C9-B9
10	=+A9+0.01	=PMT(A10/12,30*12,-C1)	=PMT(A10/12,15*12,-C1)	=C10-B10
11	=+A10+0.01	=PMT(A11/12,30*12,-C1)	=PMT(A11/12,15*12,-C1)	=C11-B11
12	=+A11+0.01	=PMT(A12/12,30*12,-C1)	=PMT(A12/12,15*12,-C1)	=C12-B12
13	=+A12+0.01	=PMT(A13/12,30*12,-C1)	=PMT(A13/12,15*12,-C1)	=C13-B13
14	=+A13+0.01	=PMT(A14/12,30*12,-C1)	=PMT(A14/12,15*12,-C1)	=C14-B14
15	=+A14+0.01	=PMT(A15/12,30*12,-C1)	=PMT(A15/12,15*12,-C1)	=C15-B15