## Pat Stone's Sample Test Blue Print

College Algebra Test #3	Categories						Total Pts	Percentage
	Know	Comprehend	Apply	Analyze	Synthesize	Evaluate		
Interpret the "complete" graph of a				Q1,Q 2, Q 3			Q1: 4 pts	6/50
polynomial function (specify the							Q2: 1 pt	12%
intercepts(Q1), determine if the degree							Q3: 1 pt	
is even or odd (Q2), specify the sign of								
the leading coefficient (Q3)								
Given a polynomial function in factored			Q5				Q5: 9 pts	9/50
form, produce a "complete" graph								18%
(show intercepts including local								
behavior at the x-intercepts, end								
behavior)(Q5)								
Given a polynomial function in			Q6		Q7		Q6: 3 pts	12/50
expanded form with rational roots,							Q7: 9 pts	24%
convert the function to factored form								
(Q6) and produce a "complete" graph								
of the function (Q7)								
Given the roots of a polynomial					Q8		Q8: 5 pts	5/50
function with a leading coefficient of								10 %
one and the multiplicity of each root,								
produce the equation of the function in								
factored form (Q8)								
Given a non-real complex root of a					Q9		Q9: 9 pts	9/50
polynomial function in expanded form								18%
with additional rational roots,								
determine all the roots of the function								
(Q9)								
Solve an application problem involving						Q10: 9		9/50
a third degree polynomial (Q10)						pts		18%
Total			12	6	23	9		50
Percentage			24%	12%	46%	18%		100%