Ability to identify, formulate, and solve engineering problems

	Level of Achievement		
	1	2	3
	Below Expectations		Exceeds Expectations
Identify	Does not realize when major components of the problem are missing and has no coherent strategies for problem solving	whole problem, and	Demonstrates understanding of how various pieces of the problem relate to each other and the whole
Formulate	Does not see the connection between theory and practical problem solving	Connects theoretical concepts to practical problems solving when prompted and is beginning to integrate previous knowledge and new information.	
Solve	Demonstrates solution implementing simple application of one formula or equation with close analogies to class/lecture problems	Demonstrates solution with integration of diverse concepts with useful relationships and connects theoretical concepts to practical problem solving.	Demonstrates creative synthesis of solution, creates new alternatives, and relates theoretical concepts to practical problem solving

Area	Score
Identify	
Formulate	
Solve	