

The objective of these initial questions is to review the basic aspects of numerical control. Answer the following questions in your own words (use separate sheet of paper for more details, if necessary):

#	Question	Answer
1	Describe briefly what CNC technology is	
2	Name at least five machine types that use numerical control in industry	
3	What are the main advantages of CNC technology? Name at least four	
4	Whose name is credited with the initial development of numerical control technology in the 1950's?	
5	Describe the difference between the old hard-wired and the modern soft-wired control systems	
6	Describe typical steps for machining a simple part on a CNC machine	
7	Describe the major differences between CNC milling machines and CNC machining centers	
8	Name the two key people (by job description) directly involved in a CNC operations	
9	Can a single complex part be justified for CNC machining? Specify reasons.	
10	What is the first rule of safety?	