

Homework No. 4

Due in class on Friday Feb 3, 2006

Only Part B of the homework is to be submitted in class.

Part A: Read/review the following topics:

Chapter 16 Review section 16-1 again from last week : The metal cutting process, including orthogonal cutting, forces in cutting, realistic orthogonal cutting, forces and energy requirements, temperatures, cutting fluids, tool life (pp 618-645).
In addition read machinability (p 646); tool materials (652-653); drilling (674-677); milling (677-680); cutting process variables (684-690), cutting process optimization (694-696).

Part B: Please submit the following problems:

Chapter 16: C2, C8, C12, C14, C18.