1. Given:

Example problem 5.1 in the text with the following changes:

Rainfall (P) = 4.00 in.
Area = 20 acres
Soil = Amarillo (see the Texas list in Appendix D)
Land use = Residential ¼ acre lot, good condition

Required:

A. Determine the runoff depth for AMC I, II and III:
   i. In inches
   ii. In acre-ft

B. Provide a table comparing the values determined above.