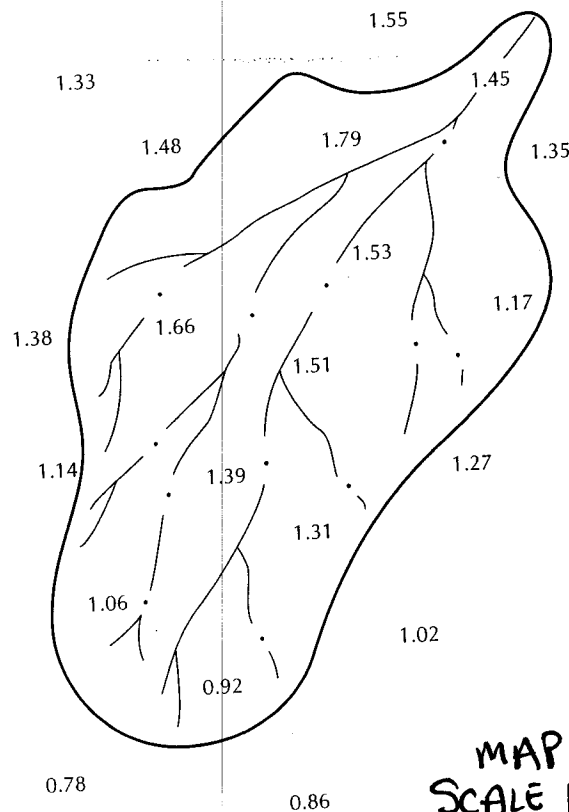
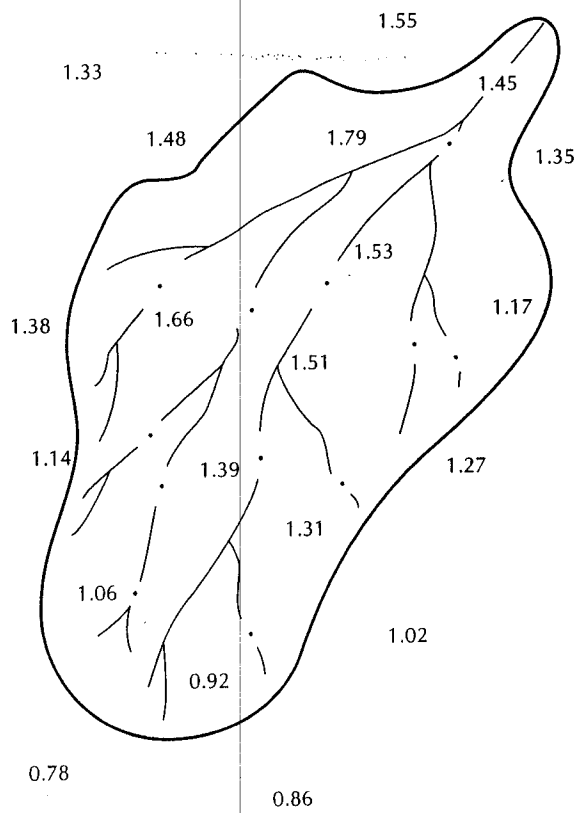


3. Figure 2.8 is a map of a drainage basin and the rainfall amounts during a storm at a number of precipitation stations both within and outside the drainage basin. Make a Thiessen network drawing for the drainage basin. The exact station location is the decimal point in the rainfall amount. The relative size of the area associated with each Thiessen polygon can be measured with a planimeter or estimated by tracing the Thiessen network on cross-section paper and counting the number of squares in each polygon. Estimate the effective uniform depth of precipitation over the drainage basin.
4. Make a copy of the drainage basin in Figure 2.8. Contour the precipitation data to create isohyetal lines and determine the effective uniform depth of precipitation.



MAP  
SCALE 1:10,000

FIGURE 2.8 Base map for Problems 2.3 and 2.4.



MAP SCALE:  
1: 10,000

FIGURE 2.8 Base map for Problems 2.3 and 2.4.