

Name _____

Objective: To identify map symbols, distance, topography, stream flow direction and elevation on a topographic map.

Materials: **100 Topographic Maps** book and a writing instrument

Activity #1

Procedure: Review the various symbols using Map Symbols on page 10 of **100 Topographic Maps**, fill in the chart below with the correct symbol.

Name	Symbol	Name	Symbol
School		Cemetery	
Railroad		Power Line	
Church		Unimproved Road	
County Boundary		Heavy Duty Road	

Activity #2

Materials: Same as above, + ruler

Procedure: To measure distance on a map using a graphic scale is quite simple. First, find the graphic scale, (usually at bottom of map). Then, take a ruler/paper and make note of the distance to be measured on the ruler/paper. Hold the ruler/paper along the scale starting at one mark and measure the distance to the other mark.

1. Page 12: Antelope Peak, Arizona- Distance of four lane highway, running east, west across map _____
2. Page 17: Bray, California- Distance from summit of Orr Mountain to summit of Cedar Mountain (summits marked with an triangle) _____
3. Page 24, Commerce City, Colorado- Length of South Platte River shown on map _____

Activity #3

Procedure: Please determine specific topographic features on various maps.

1. What are the contour intervals for the following maps
 - a. Page 31, Lake Wales, Florida _____
 - b. Page 102, Holden, Washington _____
 - c. Page 82, Renova West, Pennsylvania _____
 - d. Why are there different intervals for the different maps above, which is the flattest; which has the most rugged terrain?
 - e. Page 34, Thousand Springs, Idaho: The Snake River flows through a steep canyon. How do the contour lines represent this?

2. On the following maps, give the general direction that each stream flows:
 - a. Page 103, Lake Tapps, Washington, Wilkenson Creek (A3,4) _____
 - b. Page 61, Crawford Notch, New Hampshire, Saco River _____
 - c. Page 34, Thousand Springs, Idaho, Briggs Creek (E5) _____
 - d. Page 29, Washington DC, Rock Creek _____

3. On the following maps, give the minimum, maximum or exact locations of the following. Those marked with a (**) are to be exact elevations.
 - a. Page 46, Cumberland, Maryland/West Virginia
 - 1) Allegany High School (D4) _____
 - 2) 'Water' (E1) _____ **
 - 3) County Home (C5) _____ **
 - b. Page 57 Chief Mountain, Montana
 - 1) Mt. Cleveland (A1) _____ **
 - 2) Appekunny Mtn (B4) _____ **
 - 3) Grinnell Glacier (D3) _____
 - c. Page 63, Paterson, New Jersey
 - 1) Preakness School (D1) _____
 - 2) Haledon Reservoir (B4) _____
 - 3) High Mtn _____ **
 - d. Page 89, Rover, Tennessee
 - 1) Ransom Cemetery(B2) _____
 - 2) Rockvale (A5) _____ **
 - 3) Lebanon Charge _____