

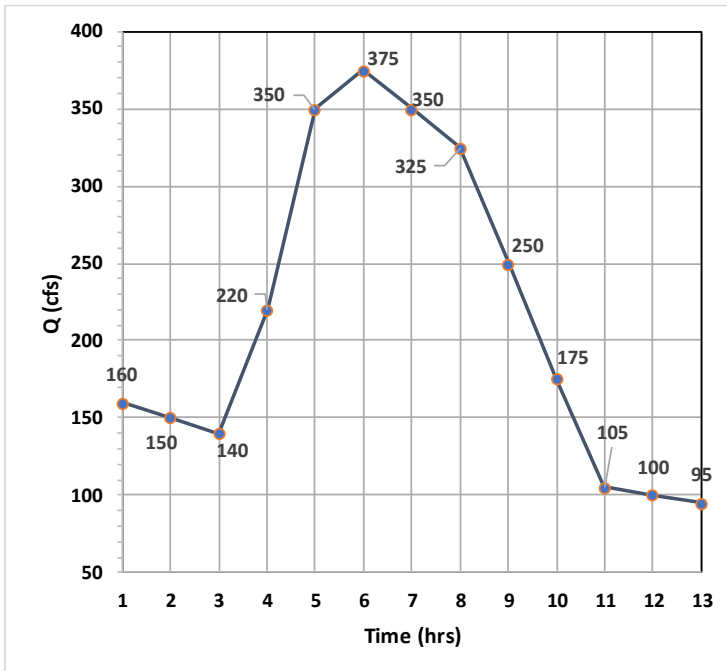
CE 44200 Introduction to Hydrology

Assignment 12

Name: _____

For the hydrograph given below, compute total streamflow volume, direct runoff volume and baseflow volume in cubic feet and equivalent depth in inches. Assume the area of the watershed to be 2 square miles.

Time (hrs)	1	2	3	4	5	6	7	8	9	10	11	12	13
Q (cfs)	160	150	140	220	350	375	350	325	250	175	105	100	95
B (cfs)	160	150	140	136	131	127	122	118	114	109	105	100	95
DRH (cfs)	0	0	0	84	219	248	228	207	136	66	0	0	0



Time (hrs)	1	2	3	4	5	6	7	8	9	10	11	12	13
Q (cfs)	160	150	140	220	350	375	350	325	250	175	105	100	95
B (cfs)	160	150	140	130	120	110	115	120	115	110	105	100	95
DRH (cfs)	0	0	0	90	230	265	235	205	135	65	0	0	0

