Name ______ Period _____

ISOLINES

	80								50		48			43
							75							
			99		120				68			50		
								100			75			
				150						100				
87								109		120				
			191		151		●B	125		150	120		89	
		149								192				
			170	222			136		200		131			67
88			200	254		148			210	150				
			241	310	275				273				100	
	100			351	340	280	325	359	215		231	187	100	
	100			271	● A	343	323	337	213	281	231	107		
			210	2/1		343	210	250		201	200			
			210	262	300	200	310	350	225		200			
0.0			•••	262		290	341	•E	325					
90			238					364						
						251				153				
		150				230		200		140				
							253			●C		111		75
100		132	140				218		200		107			
89		120		167									83	
								150						
75			117	141										60
			ullet F		103			120						
									100					
				67							58			

48 **●D**

1.	Draw isolines with an interval of 50 feet.
2.	Label each isoline with its value.
3.	Measure the distance from B to D.
4.	Calculate the gradient between points A and B.
5.	Calculate the gradient between points C and D.
6.	Calculate the gradient between points E and F.
7.	Which gradient (AB, CD, EF) was the steepest (greatest value)? Answer in full sentences.
8.	Look at the section of the map where the steepest gradient is located. What do the isolines do where the gradient is steep? Answer in full sentences.
9.	Which gradient (AB, CD, EF) was the gentlest (lowest value)? Answer in full sentences.
10.	Look at the section of the map where the gentlest gradient is located. What do the isolines do where the gradient is gentlest? Answer in full sentences.