Structural Geology. Spring, 2010

Below is a sketch from someone's field notebook, replicated three times. It shows a cross-section of a hillside and correctly identifies the rock types--but it doesn't identify the contacts! For each example, give a different, possible interpretation of the structure--and for each, reconstruct the geologic history. It is critical that you present clear contact lines between the units.

sandstone			youngest
limestone + + + + + + + + + + + + + + + + + + +	+ + + + + + + Granite + + + +		
			oldest
	youngest	sandstone	
		limestone + +	+ + + + + + + Granite + + + +
	oldest	+ + +	7 7 7 1
sandstone			youngest
•			
limestone + + + + + + + + + + + + + + + + + + +	+ + + + + + + Granite + + + +		
			oldest