CEL 222: Engineering Geology and Soil Mechanics Major Exam 29/4/2008 Please write clear, precise, point to answers

Time: 60 minutes Credit: 40%

Name:	Registration No.:	Group:
1.	A level fence line 200 m long is recorded on a vertical photogramera having a 152 mm lens. A topographic map indicates tha at an elevation of 1120 m above the sea level. If the fence line i the photograph, determine the flying height above the sea level.	t the fence line is s 20 mm long on
2.	A proposed construction site is underlain by a sedimentary rock from rounded gravel size partieles and sand. The gravel size p 75% of the total mass. What is the name of the rock? Would provide good support for the proposed structural foundations? V to excavate?	articles represent you expect it to
3.	List three principal differences in air-photo identification of grasandstone.	anitic rock versus (10 Points)
4.	Which would probably provide a better support for a large, heavy or shale? Why?	y building, diorite (3 Points)