

Petrology 255  
Homework # 2  
Due April 10, in class

Using the hand out given in class and chapter 8 and Appendix A in your textbook, calculate the norm for the following two analyses.

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SiO <sub>2</sub>	72.08	52.16
TiO <sub>2</sub>	0.37	1.61
Al <sub>2</sub> O <sub>3</sub>	13.86	12.82
Fe <sub>2</sub> O <sub>3</sub>	0.86	2.63
FeO	1.67	6.90
MnO	0.06	0.19
MgO	0.52	7.20
CaO	1.33	8.21
Na <sub>2</sub> O	3.08	2.61
K <sub>2</sub> O	5.46	4.39
H <sub>2</sub> O <sup>+</sup>	0.53	0.58
P <sub>2</sub> O <sub>5</sub>	0.18	0.70

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Do not use any Excel or any program that calculates Norm. Just using your calculator and your brain.