

**“QUIZ” for Oct. 9, 2006**

**NAME:** (print!) \_\_\_\_\_ **Section:** \_\_\_\_\_

**E-MAIL ADDRESS:** (print!) \_\_\_\_\_

1. Find the local maximum and minimum values and saddle point(s) of the function

$$f(x, y) = 1 + 4x - 8y + 2x^2 + 8y^2 \quad .$$