Math366 - Quiz 2

Name and Student ID:

Question (4+3 pts.): a) Using inspection, or using the information $\sqrt{14}=[3;\overline{1,2,1,6}]$ find the fundamental solution (the solution with minimum x and minimum y in positive integers) of the Pell's equation $x^2-14y^2=1$. b) Find two other solutions (x,y) in positive integers of the same equation $x^2-14y^2=1$.