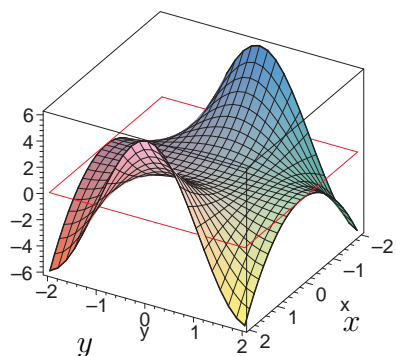
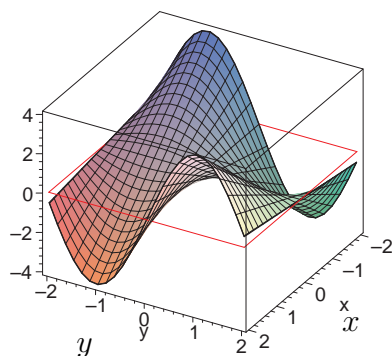


# Visual Homework: Functions and their partial derivatives Math 221 Frank Sottile

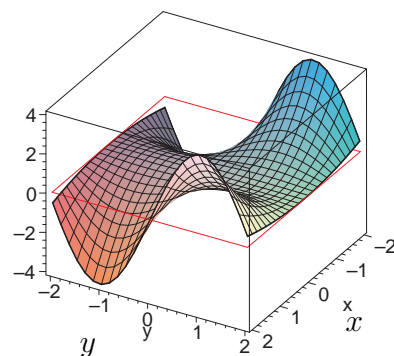
Each triplet below shows the graphs of  $f(x, y)$ ,  $f_x(x, y)$ , and  $f_y(x, y)$ . For each identify which one is which. The red lines indicate  $z = 0$  on the sides of the coordinate box.



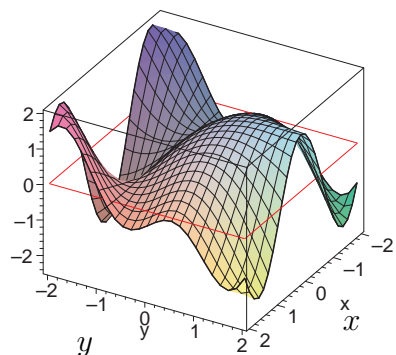
(a)



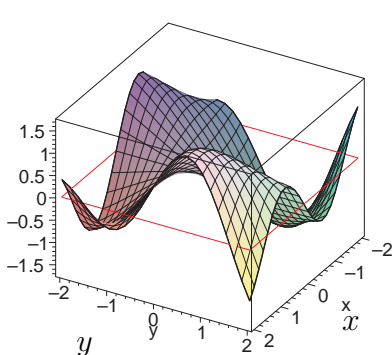
(b)



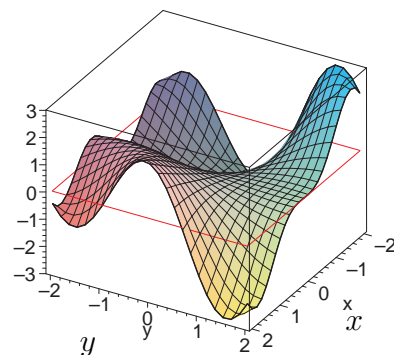
(c)



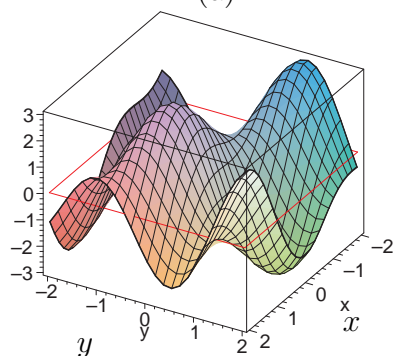
(a)



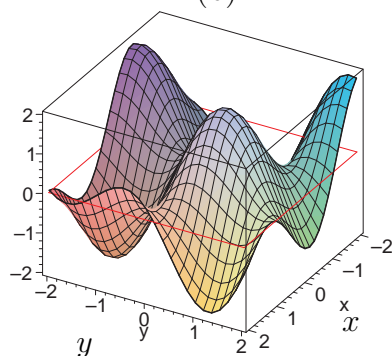
(b)



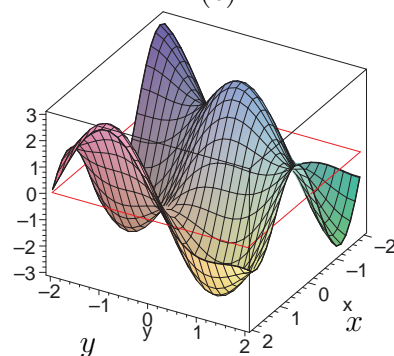
(c)



(a)



(b)



(c)