

Quiz 13 (Problems)

1. Without using Lagrange multipliers, find any extrema or saddle points of $f(x, y) = x^3 + 12xy - 3y^2 - 27x + 34$.

Quiz 13 (Answers)

1. (Math-252 Quiz 13)

Saddle point $f(1, 2) = 20$, local max
 $f(-9, -18) = 520$