

Math 2415

Concept Quiz Questions on 14.7 (Local Max/Min)

1. What does it mean for $z = f(x, y)$ to have a local maximum at a point (x_0, y_0) ?
2. State the critical point criterion for the local maxima and minima of a function $z = f(x, y)$.
3. State the second derivative test for a function of two variables.