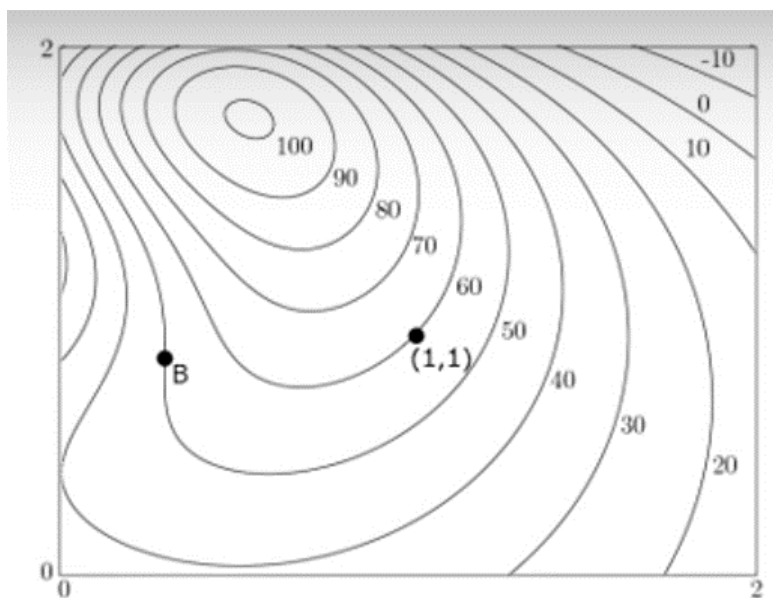


Please show **all** your work! Answers without supporting work will not be given credit. Write answers in spaces provided.

Name: _____

Ex 1. The accompanying figure shows a contour plot for an unspecified function $f(x, y)$.



(a) What can you say about the signs of the $f_x(1, 1)$?

- (a) Positive (b) Negative (c) Zero

Why? _____

(b) What can you say about the signs of the $f_y(1, 1)$?

- (a) Positive (b) Negative (c) Zero

Why? _____

