

Solutions to hw2 homework on Convex  
Optimization  
<https://web.stanford.edu/class/ee364a/homework.html>

Andrei Keino

May 30, 2020

## **3.2**

(a) The levels set of the function looks like this function is quasiconvex, because it has a minima in the middle.

(b) The levels set of the function looks like this function is quasiconcave, because it has a maxima in the middle.