Math 19 - Sec. 01
Homework #8
10/25/2019

Colley 1.4.10, 1.5.4, 2.1.16

Colley 1.4.10 Calculate the area of the parallelogram having vertices $(1,1)$, $(3,2)$, $(1,3)$, and $(-1,2)$.

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Colley 1.5.4 Find an equation for the plane containing the points $(A, 0, 0)$, $(0, B, 0)$, and $(0, 0, C)$. Assume that at least two of A, B, and C are nonzero.

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Colley 2.1.16 Given $f(x, y) = x^2 + y^2 - 9$,

(a) Determine several level curves of the given function f (make sure to indicate the height c of each curve).

(b) Use the information obtained in part (a) to sketch the graph of f.

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