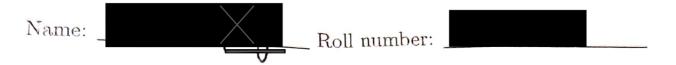
MATH 1213 QUIZ #1-T



Find a formula for the function $R: \mathbb{E}^2 \to \mathbb{E}^2$ given by rotation about the point (0,1) by $\frac{\pi}{2}$ radians counterclockwise. (Hint: Note that $R' = T^{-1} \circ R_{\frac{\pi}{2}} \circ T$, where T(x,y) = (x,y-1).)

MATH 1213 QUIZ #4-T

Name: Roll number:

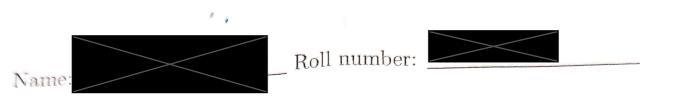
Let $A \subseteq \mathbb{E}^n$ be a subset. Give the definitions for "interior point of A" and "A is closed".

Math 1213 Quiz #5-T

Name: Roll number:

Sketch the region in \mathbb{E}^3 bounded below by $z=\sqrt{x^2+y^2}$ and bounded above by $z=2-x^2-y^2$.

MATH 1213 QUIZ #6-T



Let $f(x,y) = x\cos(y)$. Find the local maximum and minimum values and the saddle points, if any.