Assignment # 13

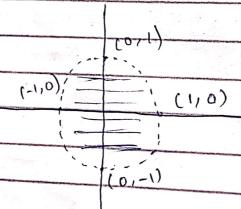
Exercise 13.1

Q23

$$f(x,y) = \ln(1-x^2-y^2)$$

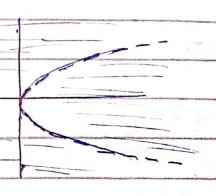
$$\frac{1-x^{2}-y^{2}}{0} \neq \frac{1}{x^{2}+y^{2}} \qquad \frac{1-x^{2}-y^{2}}{2} = 0$$

$$0 \geq x^{2}+y^{2} \qquad x^{2}+y^{2} \leq 0$$



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Date.	



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 $\forall \geq -2$

At the points above or on the line y = -2

b)
$$f(x)y(z) = \sqrt{25-x^2 + -y^2-z^2}$$

25-x2-y2-22 20

x2+y2+22 4 25

All the points inside or on the sphere x2+y2+22=25

All points in three space.