1) Identify the surface $4x^2 + z^2 - x - 16y - 4z + 20 = 0$.

2) Find and sketch the domain of $(x, y) = \frac{\sqrt{y - x^2}}{1 - x^2}$.

1) Identify the surface $4x^2 + y^2 + 4z^2 - 4y - 24z + 36 = 0$.

2) Find and sketch the domain of $(x, y) = \sqrt{y} - \sqrt{25 - x^2 - y^2}$.