

Math 3298 Worksheet 48

Group members (2 to 4): _____

- (1) Compute the mean curvature and the Gaussian curvature of the surface $z = 1 - \sqrt{1 - x^2}$ at the point $(0, 0, 0)$.

- (2) Compute the mean curvature and the Gaussian curvature of the surface $z = x^2 - 4xy + y^2$ at the point $(0, 0, 0)$.