

Math 3298 Worksheet 1

Group members (2 to 4): _____

Only hand in one copy per group!

Every worksheet is due at the end of the next day's lecture.

- (1) Find the implicit equation of the plane that passes through the points $(1, 1, 1)$, $(-1, 1, 1)$, and $(1, 2, 3)$ by using the cross product to generate a normal vector.

- (2) Describe the intersection of the plane from part (1) with the line $(1, 1, 1) + t(1, 0, 0)$.