

# Math 2374 - Quiz 1

Name: \_\_\_\_\_

Section: \_\_\_\_\_

1. (40 points) Find the area of the parallelogram formed by the vectors  $u = 3\hat{i} + 4\hat{j}$  and  $v = \hat{i} + 2\hat{j}$

2. (60 points) Find the distance from the point  $P = (1, 2, 3)$  to the plane with equation:

$$x + y + z = 0.$$