Lecture -3 \* Linear transformation transformation is another word for bunction (b(x)). In context of LA, it means bomething right tabos infut as a vector and gives outfut as another vector. movement of vectors. O All lines must remain lines without getting wirved. @ Origin must remain bixed in place. The good lines must be parallel and evenly spared. Example: 7 = -12 + 23We just need to benous reshere i and if
well land abter the transportation.

To well remain the same linear combination
of i , i even after transformation. - Trans - - 1 2 New + 2 j' None

1





