	Problem 1 b) Consider a unit synure pyrs in the world
	reference system where p.g.r. and 5 are points. Will the some Square in the camera reference system always have unit area? Probe or provide a counterexample.
	Square in the camera reference system always have unit area? Proke
	or provide a counterexample.
	Given a succe pyrs, Area = Il(q=p) x(5-p)II, in 11:5 core Area = 1
	We can describe the transformation matrix [R T as a single matrix: M
	Since The transform from matrix M is isometric, det (M) = 1
	We can write the transformed formula for area as:
_	
	11 (My - M.P) X (M.S - M.P) 11
	- Nolling 11/1 5) 11/2 5 2/1
	= det(m).  1(4-p) x (5-p) 1
	$= \ (y-p) \times (s-p)\ $
	= 1 Q.E.D. area is preserved
-	
1	
1	
-	