- Exam 3

 (3) Find the volume of a parallelpiped with adjacent edges PQ, PR, PS.
 - P(3,0,3) Q(-1,3,6) P(5,3,1) S(2,4,4)
- (9) At what points does the helix r= < gin(t), cos(t), t> intersect the sphere x2+y2+22=10.
- (10) Consider the points below. P(-2,0,0) Q(0,3,0) R(0,0,1)

Find a nonzero vector orthogonal to the plane through the points P, a, R.