Name:	
Proble	em 1 (10 points)
a)	Compute the cross product of the vectors $(1,3,4)$ and $(2,3,4)$ .
b)	What is the area of the triangle with vertices $P(0,0,0)$ , $P(1,3,4)$ , and $P(2,3,4)$ ?
Proble	em 2 (10 points)
a)	Find symmetric equations for the line through the point $P(1,0,-1)$ parallel to the vector $(3,2,1)$
b)	At what point does this line intersect the <i>xy</i> -plane?