Send the task to: kmwr@o2.pl. The safest format is .pdf
Total time for the test: 13 minutes

1. Let $\vec{u}=[p,-1,1]$ and $\vec{v}=[p+1, q,-3]$.
a) Find all $p, q$ for which $\vec{u} \| \vec{v}$.
b) For $p=q=1$ find, to the nearest degree, the angle between $\vec{u}$ and $\vec{v}$.
2. A plane contains 3 points: $A=(1,2,3), B=(0,-2,-1)$ and $C=(1,-1,1)$. Find an equation of this plane in
a) cartesian form,
b) parametric form.
