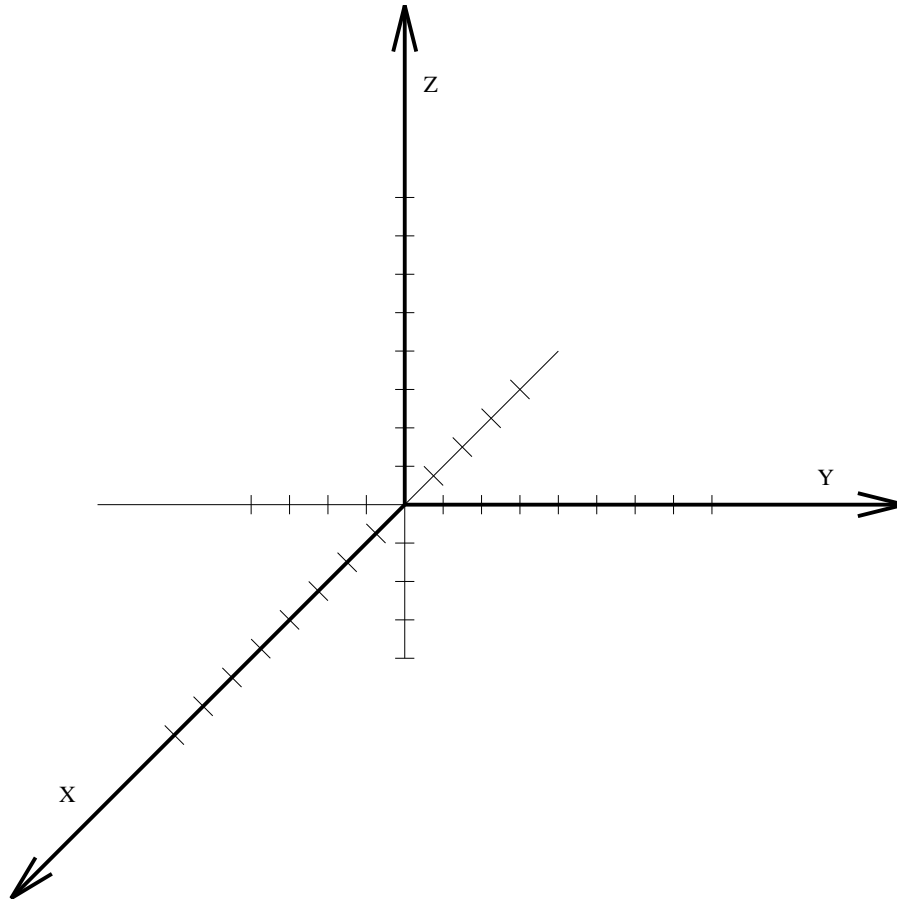


Show **ALL** work for credit; be neat; and use only **ONE** side of each page of paper.

1. Draw and label the following points $A(0,0,5)$; $B(-2,1,3)$; $C(3,4,-1)$ and $D(0,-1,1)$



2. Find the equation of the locus of all points equidistant from the points $A(-1,5,3)$ and $B(6,2,-2)$. Describe the locus.