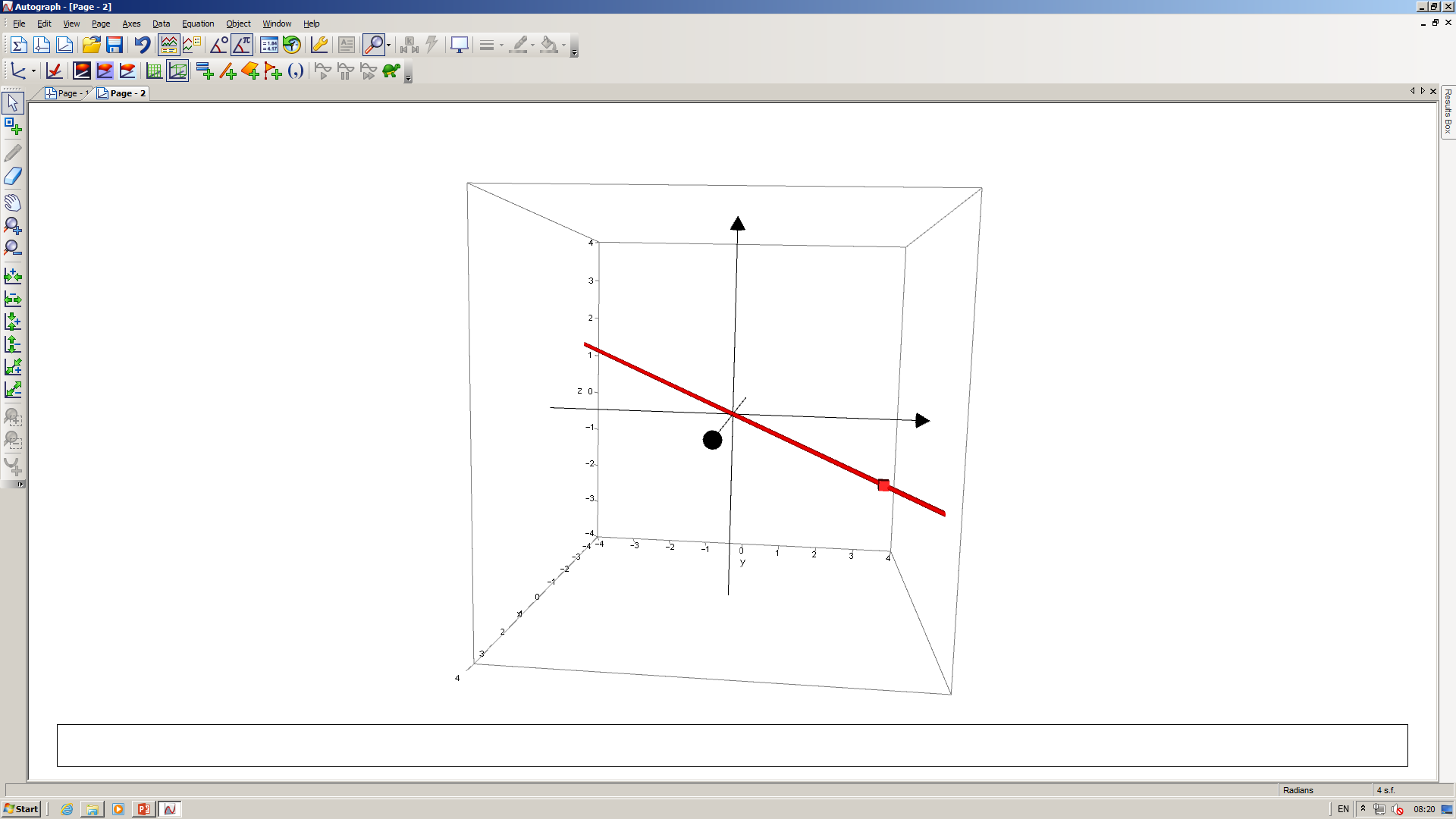
**9A Part 1 3D Lines Introduction**



1. Find the equation of the straight line that passes through the point A, which has position vector , and is parallel to the vector .
2. Find a vector equation of the straight line that passes through the points A and B, with coordinates and respectively.
3. The straight line has vector equation:

Given that the point lies on , find the value of and the value of .

1. The straight line has vector equation:

Show that another vector equation of is: