

LATEX ASSIGNMENT

ANAND

29-08-2023

EXERCISE 11.12.1

1. A point is on the x -axis. What are its y -coordinate and z -coordinates?
2. A point in the XZ -plane. What can you say about its y -coordinates?
3. Name the octants in which the following points lie: $(1, 2, 3)$, $(4, -2, 3)$, $(4, -2, -5)$, $(4, 2, -5)$, $(-4, 2, -5)$, $(-4, 2, -5)$.
4. Fill in the blanks:-
 - (i) The x -axis and y -axis taken together determine a plane known as _____.
 - (ii) The coordinates of points in the XY -plane are of the form _____.
 - (iii) Coordinate planes divide the space into _____ octants.