

LATEX ASSIGNMENT

ANAND

29-08-2023

EXERCISE 11.12.1

1. A point is on the z -axis. What are its x coordinate and y coordinates?
2. A point in the XY -plane. What can you say about its z coordinates?
3. Name the octants in which the following points lie:

$(1, 2, 3), (4, -2, 3), (4, -2, -5), (4, 2, -5), (-4, 2, -5), (-4, 2, 5), (-3, -1, 6), (-2, -4, -7)$
(1)

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 plane divide the space into _____ octants.