

Taker Name:

GTID: 903

Section:

Grader #1:

GTID: 903

§12.1: Three-dimensional coordinate systems

Find an equation or a pair of equations which describes the given set of points.

(a) The circle of radius 2 centered at  $(-1, 2, 4)$  and lying in a plane parallel to the  $yz$ -plane.

|   |  |
|---|--|
| A |  |
| J |  |
| N |  |

|   |  |
|---|--|
| A |  |
| J |  |
| N |  |

(b) The line through the point  $(1, 2, -1)$  parallel to the  $x$ -axis.

|   |  |
|---|--|
| A |  |
| J |  |
| N |  |