

CYLINDRICAL COORDINATE CONVERSIONS

Convert from cylindrical, (r, θ, z) , to rectangular, (x, y, z) , coordinates.

1. $(2, \pi/2, 3)$
2. $(2, \pi/4, 1)$
3. $(3, \pi/6, 2)$
4. $(2, 7\pi/4, 8)$
5. $(2, 4\pi/3, 3)$

Convert from rectangular, (x, y, z) , to cylindrical, (r, θ, z) , coordinates.

6. $(2, 2, 2)$
7. $(-1, 0, 2)$
8. $(0, 1, -5)$
9. $(-2, 2, 3)$
10. $(1, \sqrt{3}, 4)$