

14. The x , y and z components (with meters understood) of \vec{r} are

$$r_x = c_x + d_x = 7.4 + 4.4 = 12$$

$$r_y = c_y + d_y = -3.8 - 2.0 = -5.8$$

$$r_z = c_z + d_z = -6.1 + 3.3 = -2.8 .$$