

1 Memorize $d\vec{r}$

Write $d\vec{r}$ in rectangular, cylindrical, and spherical coordinates.

(a) Rectangular:

$$d\vec{r} = \tag{1}$$

(b) Cylindrical:

$$d\vec{r} = \tag{2}$$

(c) Spherical:

$$d\vec{r} = \tag{3}$$