$$\Delta\vec{\mathbf{r}} = \Delta\vec{\mathbf{r}}_1 + \Delta\vec{\mathbf{r}}_2 = (2.000\times10^4\,\mathrm{m})\,(\cos30°)\,\hat{\mathbf{i}} + [(20.00\mathrm{m} + (2.000\times10^4\,\mathrm{m})\sin30°]\,\hat{\mathbf{j}}$$