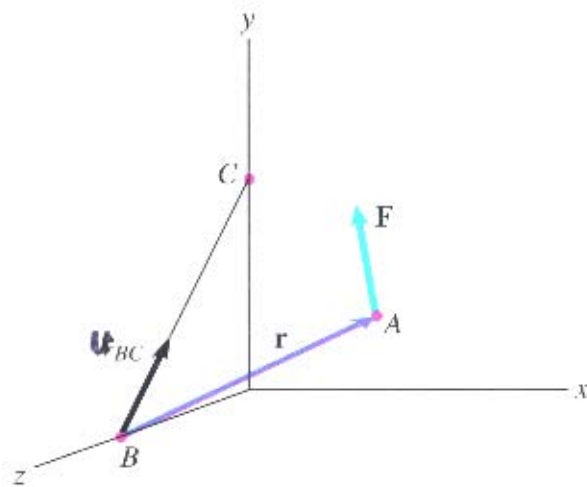
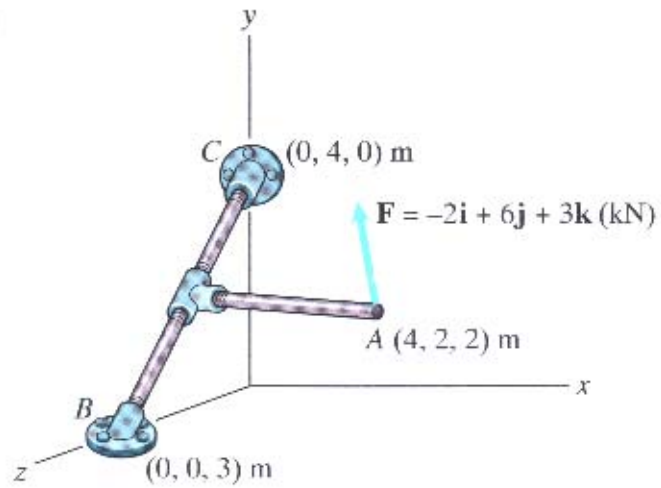
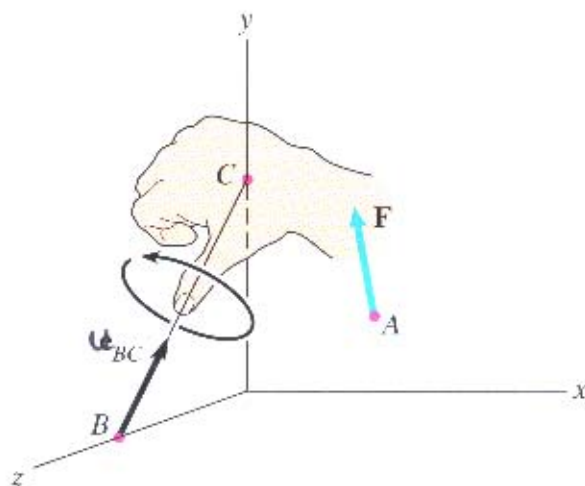


9. Determining the moment of a force about a line. (Example 4.8)



(a) The vectors  $\mathbf{r}$  and  $\mathbf{e}_{BC}$

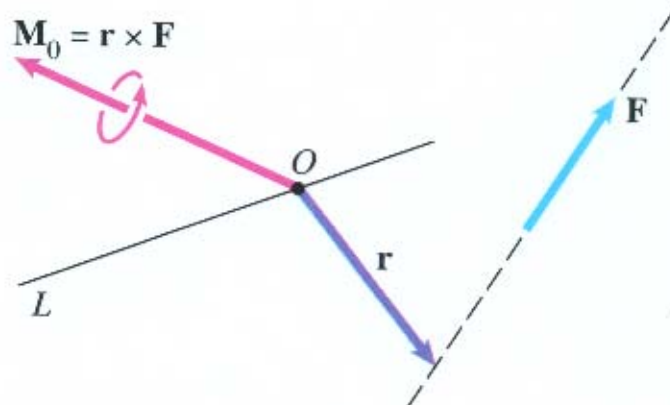


(b) The right-hand rule indicates the sense of the moment about  $BC$ .

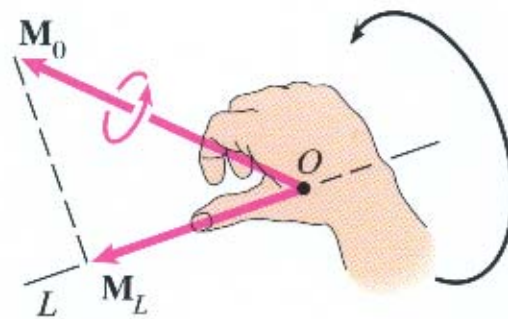
8. Moment of a force about a line. <sup>Axis</sup> (Figure 4.18)



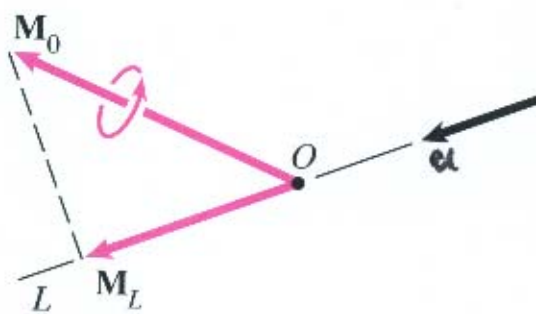
(a)



(b)

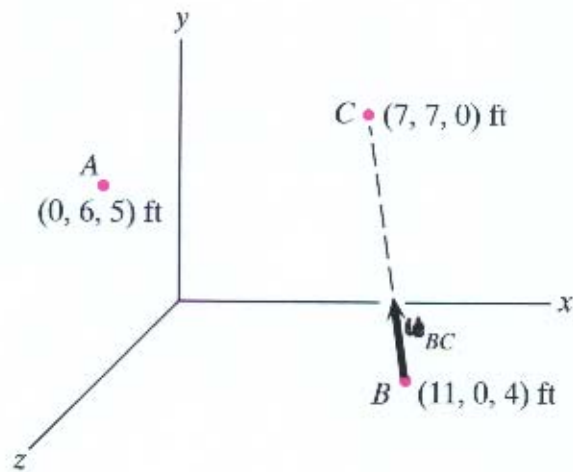
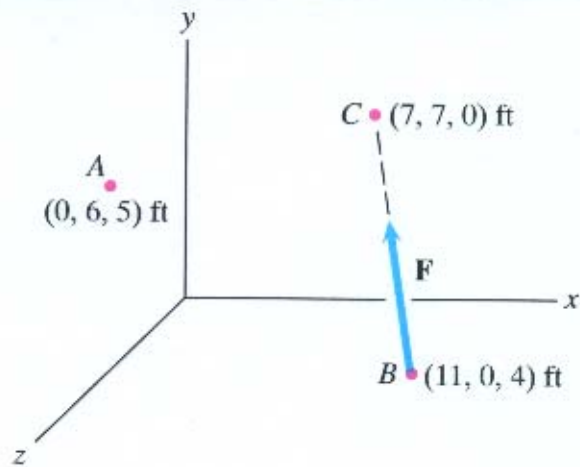


(c)

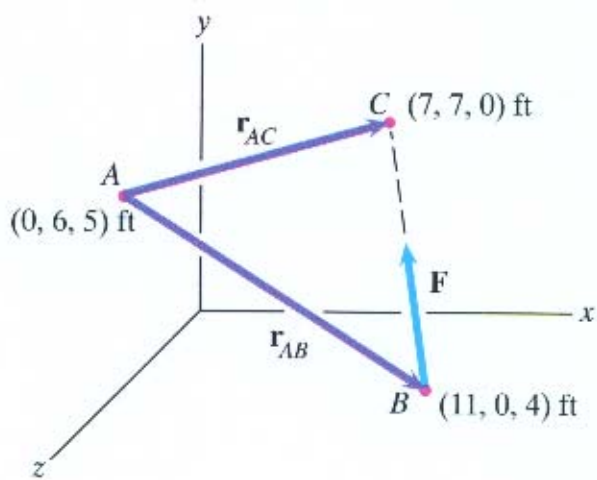


(d)

7. Determining the moment of a force about a point. (Example 4.5)



(a) The unit vector  $\mathbf{e}_{BC}$ .



(b) The moment can be determined using either  $\mathbf{r}_{AB}$  or  $\mathbf{r}_{AC}$ .