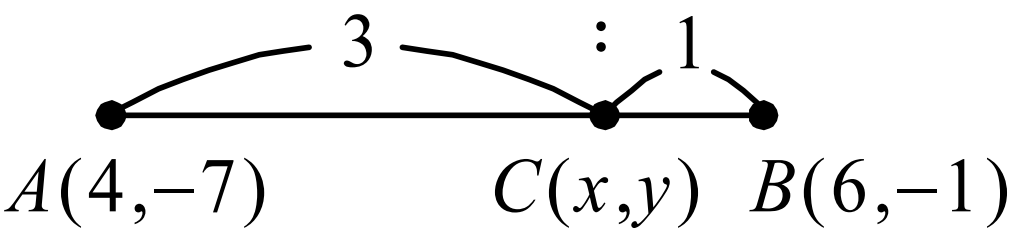
6 演練3

解 設臺南高商為 $A(4,-7)$，臺南棒球場為 $B(6,-1)$，

阿棕家為 $C(x,y)$， $\overline{AC}=3\overline{BC} \Rightarrow \overline{AC}:\overline{BC}=3:1$

$$C(x,y)=\left(\frac{1\times4+3\times6}{3+1},\frac{1\times(-7)+3\times(-1)}{3+1}\right)=\left(\frac{11}{2},-\frac{5}{2}\right)$$

$\therefore$ 阿棕家的坐標為 $\left(\frac{11}{2},-\frac{5}{2}\right)$