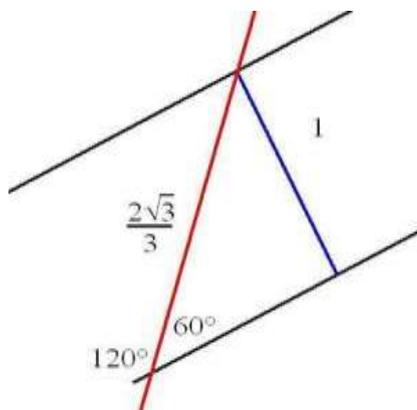


### 1. 代平行線距離公式

$$= \frac{|3-1|}{\sqrt{(\sqrt{3})^2+1^2}} = \frac{2}{2} = 1$$



$$\sin \theta = \frac{1}{\frac{2\sqrt{3}}{3}} = \frac{\sqrt{3}}{2} \rightarrow \theta = 60^\circ$$

$$\tan 60^\circ = \pm \frac{m_1 - m_2}{1 + m_1 m_2} \text{ (二直線夾角斜率公式)}$$

令所求直線斜率  $m_2$ ,  $L: y = m_2 x + b$  (斜截式)

又二平行線斜率  $m_1 = -\sqrt{3}$

“-”時解得  $m_2 = 0$  在將  $(2,3)$  代入  $L$

即  $L: y = 3$

“+”時解得  $m_2 = \sqrt{3}$

即  $L: y = \sqrt{3}x + 3 - 2\sqrt{3}$