

MGM0 : EXERCISE 6

1. $y = -2x - 1$

$$m_1 = -2, \quad m_2 = \frac{-1}{-2} = \underline{\underline{\frac{1}{2}}}$$

$$-3 = \frac{1}{2}(-2) + c$$

$$-3 + 1 = c$$

$$\underline{\underline{-2 = c}}$$

$$\therefore \underline{\underline{y = \frac{1}{2}x - 2}}$$

2. $6y + 3x = 9$
 $6y = -3x + 9$
 $y = -\frac{1}{2}x + \frac{9}{6}$

$$\underline{\underline{m_1 = -\frac{1}{2}}}, \quad m_2 = \frac{-1}{-\frac{1}{2}} = \underline{\underline{2}}$$

$$2 = 2(4) + c$$

$$2 - 8 = c$$

$$\underline{\underline{-6 = c}}$$

$$\therefore \underline{\underline{y = 2x - 6}}$$