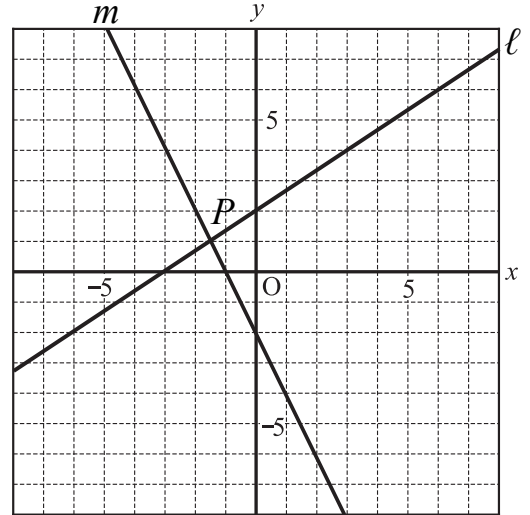


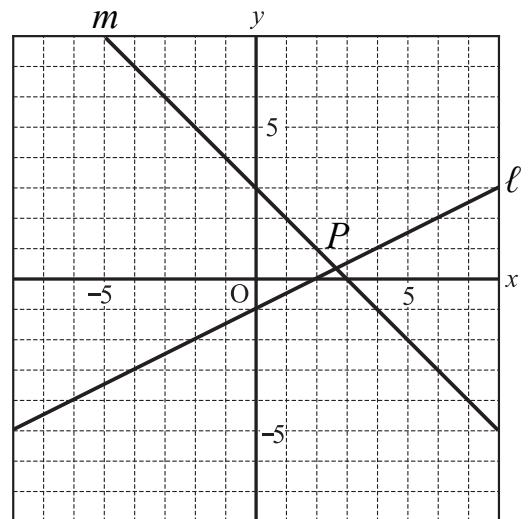
単元別演習 【中2数学 | 一次関数】

次の図で、2直線 l, m の式をそれぞれ求め、交点 P の座標を求めなさい。

① $l: y = \frac{2}{3}x + 2$
 $m: y = -2x - 2$
 $\frac{2}{3}x + 2 = -2x - 2$
 $\frac{8}{3}x = -4 \quad \therefore x = -\frac{3}{2}$
 $y = -2x(-\frac{3}{2}) - 2$
 $= 1$
 $\therefore P(-\frac{3}{2}, 1)$



② $l: y = \frac{1}{2}x - 1$
 $m: y = -x + 3$
 $\frac{1}{2}x - 1 = -x + 3$
 $\frac{3}{2}x = 4 \quad \therefore x = \frac{8}{3}$
 $y = -\frac{8}{3} + 3$
 $= \frac{1}{3}$
 $\therefore P(\frac{8}{3}, \frac{1}{3})$



③ $l: y = -x + 2$
 $m: y = \frac{3}{4}x - 3$
 $-x + 2 = \frac{3}{4}x - 3$
 $-\frac{7}{4}x = -5 \quad \therefore x = \frac{20}{7}$
 $y = -\frac{20}{7} + 2$
 $= -\frac{6}{7}$
 $\therefore P(\frac{20}{7}, -\frac{6}{7})$

