次のグラフ同士の交点を求めて座標で答えなさい。

(1) $y = 2x + 1$ と $y = -x + 10$

$2x + 1 = -x + 10$

$3x = 9$

$\therefore x = 3$

$y = 2 \times 3 + 1$

$= 7 \qquad \therefore (3, 7)$

(2) $2x + y = 5$ と $x + 3y = 0$

$y = -2x + 5$

$x + 3(-2x + 5) = 0$

$-5x + 15 = 0$

$\therefore x = 3$

$y = -2 \times 3 + 5$

$= -1$

$\therefore (3, -1)$

(3) $y = 4x + 14$ と $y = 2$

$4x + 14 = 2$

$4x = -12$

$\therefore x = -3$

$\therefore (-3, 2)$

(4) $y = 3x - 5$ と $y = x + 1$

$3x - 5 = x + 1$

$2x = 6$

$\therefore x = 3$

$y = 3 + 1$

$= 4 \qquad \therefore (3, 4)$