

④ $\lambda x + 3y = -7$
 $2x + 6y = 14$

$\frac{a_1}{a_2} = \frac{\lambda}{2}, \frac{b_1}{b_2} = \frac{3}{6}, \frac{c_1}{c_2} = \frac{-7}{14}$

For in. Many sols

$\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$

$\frac{\lambda}{2} = \frac{1}{2} = -\frac{1}{2}$

$\therefore \frac{1}{2} \neq -\frac{1}{2}$

\therefore cannot have in. Many sols (False)

⑤ $x - 2y = 8, 5x - 10y = c$

$\frac{a_1}{a_2} = \frac{1}{5}, \frac{b_1}{b_2} = \frac{-2}{-10} = \frac{1}{5}, \frac{c_1}{c_2} = \frac{8}{c}$
 $= \frac{1}{5}$

$\therefore \frac{a_1}{a_2} = \frac{b_1}{b_2}$

\therefore pair of eqns cannot have unique sol. for any real value of c (False)

False/not true \because it is parallel to y axis.

⑥

$x = 7$
 $\Rightarrow x + 0y = 7$

x	7	7
y	0	7

