

$$5. \begin{cases} 6x + 5y = 35 \\ 7x - 4y = 31 \end{cases}$$

$$\begin{aligned} 6x + 5y &= 35 \\ \underline{6x + 5y} &= \underline{35} \\ 6x + 5y - 5y &= 35 - 5y \\ 6x &= 5y + 35 \\ x &= \frac{5y + 35}{6} \end{aligned}$$

↓

$$7x - 4y = 31$$

$$7\left(\frac{5y + 35}{6}\right) - 4y = 31$$

$$\frac{7(5y + 35)}{6} - 4y = 31$$

x

$$6. i. \begin{aligned} &10p^3q^2 - 5p^2q + 15p^4q \\ &15p^4q + 10p^3q^2 - 5p^2q \\ &= 5p^2q(3p^2 + 2pq - 1) \end{aligned}$$

$$ii. 2x^2y - 4xy^2$$

$$\begin{aligned} &2xxy - 4xyy \\ &2xxy + 2 \times 2xyy \\ &= 2xy(x - 2y). \end{aligned}$$