



$$\textcircled{i} \quad 12x = 2 \times 2 \times 3 \times x$$

$$36 = 2 \times 2 \times 3 \times 3$$

common factors are 2, 2, 3 or 12

$$\textcircled{ii} \quad 2y = 2 \times y$$

$$22xy = 2 \times 11 \times x \times y$$

common factors 2, y or 2y

$$\textcircled{iii} \quad 14pq = 2 \times 7 \times p \times q$$

$$28p^2q^2 = 2 \times 2 \times 7 \times p \times p \times q \times q$$

common factors 2, 7, p, q or 14pq

$$\textcircled{iv} \quad 2x = 2 \times x$$

$$3x^2 = 3 \times x \times x$$

$$4 = 2 \times 2$$

common factor 1 or 1
(1 is always a common factor)

$$\textcircled{v} \quad 6abc = 2 \times 3 \times a \times b \times c$$

$$24ab^2 = 2 \times 2 \times 2 \times 3 \times a \times b \times b$$

$$12a^2b = 2 \times 2 \times 3 \times a \times a \times b$$

common factors 2, 3, a, b or 6ab