

3 (v)

$$\frac{96abc(3a-12)(5b-30)}{144(a-4)(b-6)}$$

$$\frac{2abc \times 3(a-4) \times 5(b-6)}{3(a-4)(b-6)}$$

$$= 10abc$$

4 (i)

$$\frac{5(2x+1)(3x+5)}{(2x+1)}$$

$$= 5(3x+5)$$

(ii)

$$\frac{26xy(x+5)(y-4)}{13x(y-4)}$$

$$= 2y(x+5)$$

(iii)

$$\frac{52pqx(p+q)(q+x)(x+p)}{104pq(q+x)(x+p)}$$

$$= \frac{x(p+q)}{2}$$