



Grade 9

Mathematics

Factorising – common factors

**Question 1: Factorise the following expressions**

1.  $12f + 60f^2$
2.  $2p + pq - p^2$
3.  $36x^3y^4 - 48x^4y^2$
4.  $9ab - 27abc - 45a$
5.  $24gh - 12g + 15h$

**Question 2: Factorise the following expressions – you may need to**

1.  $xy - 6y - 2x + 12$
2.  $9y^2 - 45xy + 8y - 40x$
3.  $x^2 - ax - bx + ab$
4.  $ab^2 - bc^2 - ab + c^2$
5.  $x^2 - xz + xy - yz$
6.  $-7p^2q - 49pq$
7.  $5a - 25b + 10b - 2a$
8.  $3m + 6n - 7m - 14n$