

Factor Polynomials Completely (9.8)**Factoring by Grouping:** Factor the polynomial.

1) $y^3 - 9y^2 + y - 9$

2) $2y^3 - 3y^2 - 18y + 27$

Factoring Completely (2 Terms): Factor using a GCF and/or the Difference of Two Squares.

3) $36a^4 - 4a^2$

4) $72p - 2p^3$

Factoring Completely (3 Terms): Factor using a GCF and/or the X and Box Method.

5) $6g^3 - 24g^2 + 24g$

6) $3r^5 + 3r^4 - 90r^3$

Factoring Completely (4 Terms): Factor using a GCF and/or the Box Method.

7) $h^3 + 4h^2 - 25h - 100$

8) $x^3 - x^2 - 9x + 9$