

Factoring Review

1. Factor out common monomials.
2. Find the pattern: the difference of two squares, difference of two cubes, sum of two cubes.
3. Factor trinomials.
4. Factor polynomials with 4 terms.
5. Be able to factor completely (until each term can be factored no more).

Practice.

1. $49x^2 - 14x$
2. $x^3 - x^2 + x$
3. $x^2 - 9$
4. $1 - 4x^2$
5. $x^2 - 6x + 8$
6. $x^2 + 5x - 24$
7. $x^3 + 8$
8. $x^3 - 125$
9. $12x^2 + 29x + 14$
10. $12x^2 - 28x - 5$
11. $x^3 - 3x^2 + 2x - 6$
12. $x^4 + x^3 + x + 1$
13. $3x^5 - 3x^2$
14. $x^4 - 1$
15. $27x^3 - 9x^2 - 6x$
16. $8x^3 + 64$