

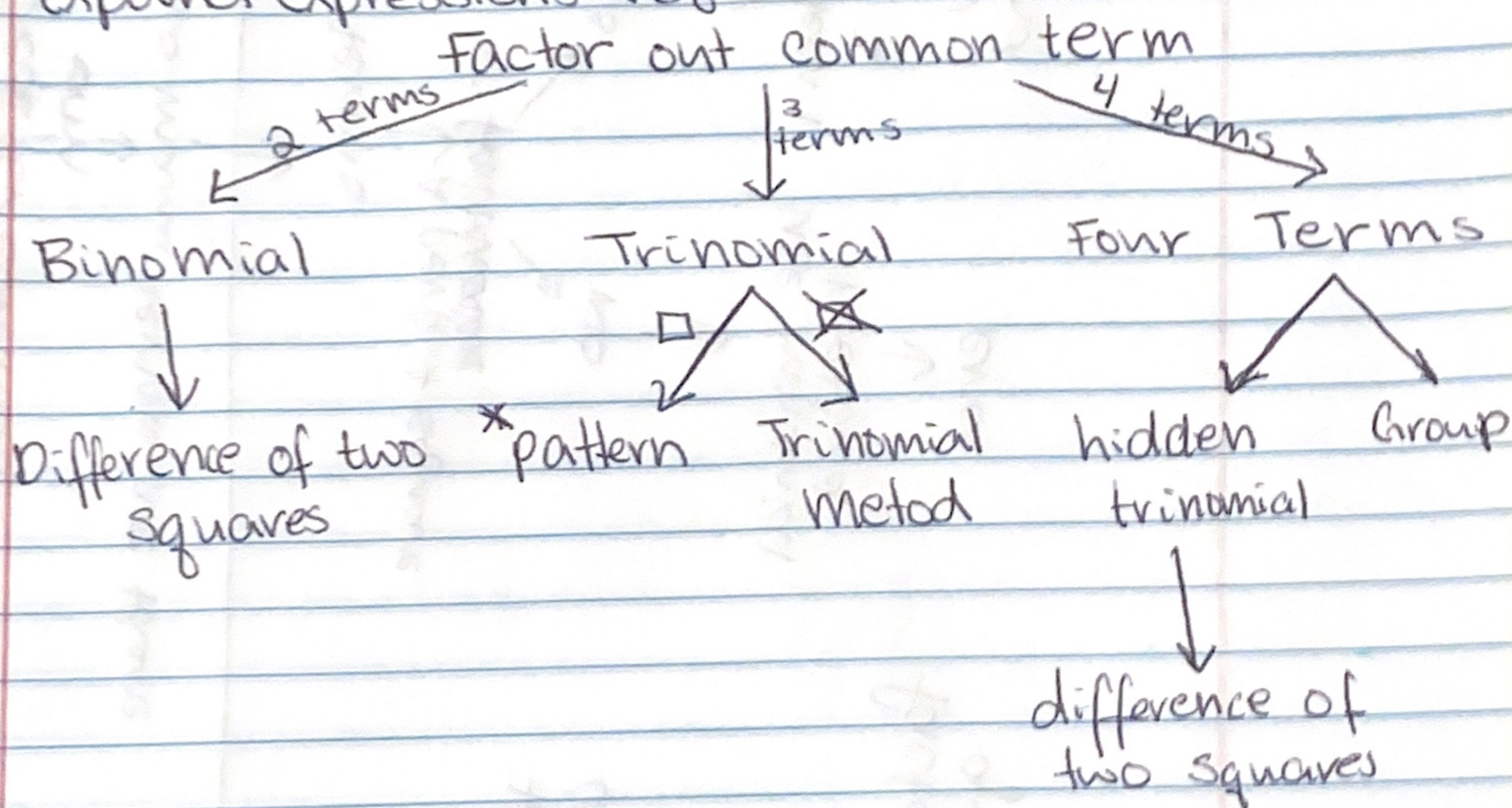
Unit 4 Study Guide

Formulas:

- ① $(x+y)^2 = x^2 + 2xy + y^2$
- ② $(x-y)^2 = x^2 - 2xy + y^2$
- ③ $(x+y)(x-y) = x^2 - y^2$
- ④ $(x+y)^3 = x^3 + 3x^2y + 3xy^2 + y^3$
- ⑤ $(x-y)^3 = x^3 - 3x^2y + 3xy^2 - y^3$

Need to Do:

Factor out common terms, factor trinomials, factor binomials, factor four term expression
Expand expressions (Squares and cube)



* Only if perfect square trinomial

If you have time:

- Check by "foiling"
- Recheck for common terms (particularly when doing difference of two squares)