

Review 6.2 - 6.6

Factor completely (if possible)

1. $(a - 4b)^2 - (2a + 3)^2$
2. $16x^2 - 80x + 100$
3. $81a^4 - 16b^4$
4. $9 + 4n^2$
5. $c^2 - 23c + 60$
6. $(x - y)^2 - 5(x - y) - 24$
7. $2ax + 6xc + ya + 3yc$
8. $x^2 - 9x - 52$
9. $2p^2 - 16p + 24$

Check for These:

1. GCF
2. Difference of Perf Square
3. Perfect Trinomial
4. Tree
5. Curtain
6. Always check if you can factor further

10. $x^2y^2 - y^2 + z^2 - x^2z^2$

11. $16x^4 - 81y^8$

12. $x^2 + 13x - 48$

13. $2m^2 - 2mn - 24n^2$

14. $ab^2 + mb^2 - 16a - 16m$

15. $12a^2 + 12ab + 3b^2$

16. $14x^3 - 28xy + 7y^2$

17. $(w + x)^2 - w^2$

18. $t^2 + 28tv - 60v^2$