

Name - _____

Start time - ___ : ___

End time - ___ : ___

Factorization using formula when a binomial is the difference of two squares.

1. $a^2 - 36$

2. $4x^2 - 9$

3. $81 - 49a^2$

4. $4a^2 - 9b^2$

5. $16m^2 - 225n^2$

6. $9a^2b^2 - 25$

7. $9a^2 - b^2 + 4b - 4$

8. $(2x + 3y)^2 - 16z^2$

9. $1 - (m - n)^2$

10. $9(a + b)^2 - a^2$

11. $25(x + y)^2 - 16(x - y)^2$

12. $20x^2 - 45y^2$

13. $a^3 - 64a$

14. $12a^2 - 27$

15. $3a^5 - 48a^3$

16. $63x^2y^2 - 7$

17. $m^2 - 2mn + n^2 - r^2$

18. $a^2 - b^2 - 2ab - 1$