

Algebra 2^{sirimanne o8o9}

Unit 4 Preview + Review A

Name:

Date:

Period: 1 2 3 4 5 6

1. Factor: $4x^2 + 3x$

2. Factor: $12x^3 + 3x^4$

3. Factor: $8x^5 + 3x^4 - 7x^2$

4. Factor: $12x^7 + 24x^3 - 18x$

5. Factor: $81x^8 - 72x^4$

6. Factor: $121x^6 - 44x^5$

7. Multiply: $8(x^2 - 2x)$

8. Multiply: $8x(x^2 - 2x)$

9. Multiply: $3x(x^4 - 2x^5)$

10. Multiply: $x^2(x^5 + 2x^3)$

11. Multiply: $3x^3(5x^2 - 7x)$

12. Multiply: $5x^2(2x^6 + 8x^3 - 2x)$

13. Multiply: $-6x^2(3x^5 + 9x^2 + 5x)$

Foil for 14-25

14. Multiply: $(x + 6)(x + 2)$

15. Multiply: $(x - 6)(x - 2)$

16. Multiply: $(x + 6)(x - 2)$

17. Multiply: $(2x + 6)(x + 2)$

18. Multiply: $(x + 5)(4x + 3)$

19. Multiply: $(8x - 6)(7x - 2)$

20. Multiply: $(6x - 4)(8x - 9)$

21. Multiply: $(4x + 2)(x - 12)$

22. Multiply: $(2x + 6)(2x - 6)$

23. Multiply: $(x - 5)(x + 5)$

24. Multiply: $2(6x + 3)(x - 7)$

25. Multiply: $3(6x + 4)(x - 2)$

26. Multiply: $-2(3x - 4)(x - 1)$

27. Multiply: $3 - 3(x + 5)(2x + 5)$