

Algebra I Class Worksheet #3 Unit 10 _____

Simplify each of the following.

1. $(x^4)(x^5) = \underline{\hspace{2cm}}$

2. $(5x)(7x^5) = \underline{\hspace{2cm}}$

3. $(-5x^3)(-4x^2) = \underline{\hspace{2cm}}$

4. $(-x^3)(5x^3) = \underline{\hspace{2cm}}$

5. $(9x)(6x) = \underline{\hspace{2cm}}$

6. $(x^2)(-x^2) = \underline{\hspace{2cm}}$

7. $(x^4)^5 = \underline{\hspace{2cm}}$

8. $(x^2)^6 = \underline{\hspace{2cm}}$

9. $(x^3)^3 = \underline{\hspace{2cm}}$

10. $(x^5)^2 = \underline{\hspace{2cm}}$

11. $(5x)^2 = \underline{\hspace{2cm}}$

12. $(3x)^3 = \underline{\hspace{2cm}}$

13. $(-4x)^3 = \underline{\hspace{2cm}}$

14. $(-3x)^4 = \underline{\hspace{2cm}}$

15. $(-x)^5 = \underline{\hspace{2cm}}$

16. $(-x)^8 = \underline{\hspace{2cm}}$

17. $(5x^5)^2 = \underline{\hspace{2cm}}$

18. $(2x^3)^5 = \underline{\hspace{2cm}}$

19. $(-3x^2)^3 = \underline{\hspace{2cm}}$

20. $(5x^3yz^2)^3 = \underline{\hspace{2cm}}$

21. $(-2x^3y^2)^4 = \underline{\hspace{2cm}}$

22. $(-xy^3z^2)^5 = \underline{\hspace{2cm}}$

23. $-(-2x)^6 = \underline{\hspace{2cm}}$

24. $-(-3x^4)^3 = \underline{\hspace{2cm}}$

25. $(2x^3y)^3(3x^3y^5)^2 = \underline{\hspace{2cm}}$

26. $(-5x^3)(-4x)^2 = \underline{\hspace{2cm}}$

27. $(-x^3y^2)^4(-x^4y^3)^3 = \underline{\hspace{2cm}}$

28. $(-3x^4)^3(-5x^3) = \underline{\hspace{2cm}}$

29. $-6^2 = \underline{\hspace{2cm}}$

30. $(-6)^2 = \underline{\hspace{2cm}}$