Exponent rules

Name _____ Date _____

1. $x^4 \cdot x^6 =$ _____
2. $x^5 \cdot x^5 =$ _____
3. $(x^4)^6 =$ _____
4. $6x^2 \cdot 6x^4 =$ _____
5. $(x^5)^3 =$ _____
6. $x^6 \cdot x^2 =$ _____
7. $(2x^2)^2 =$ _____
8. $x^{11} \div x^4 =$ _____
9. $x^{13} \div x^6 =$ _____
10. $2x^5 \cdot 4x^6 =$ _____
11. $x^7 \div x^2 =$ _____
12. $x^7 \cdot 6x^6 =$ _____
13. $x^8 \div x^3 =$ _____
14. $x^5 \cdot x^4 =$ _____
15. $(x^3)^4 =$ _____
16. $4x^3 \cdot 2x^4 =$ _____
17. $(2x^7)^2 =$ _____
18. $6x^4 \cdot x^3 =$ _____
19. $x^{10} \div x^4 =$ _____
20. $(x^6)^2 =$ _____
21. $(x^6)^4 =$ _____
22. $x^3 \cdot 6x^5 =$ _____
23. $x^6 \div x^4 =$ _____
24. $(x^5)^4 =$ _____
25. $x^5 \cdot x^6 =$ _____
26. $(x^5)^6 =$ _____
27. $x^2 \cdot x^5 =$ _____
28. $x^9 \div x^2 =$ _____
29. $(x^2)^5 =$ _____
30. $x^4 \cdot x^5 =$ _____

Exponent rules

31. $x^{12} \div x^{5} =$ _____
32. $x^{5} \div x^{2} =$ _____
33. $(x^{3})^{5} =$ _____
34. $5x^{7} \cdot x^{2} =$ _____
35. $x^{3} \cdot x^{4} =$ _____
36. $x^{6} \div x^{3} =$ _____
37. $(6x^{7})^{2} =$ _____
38. $4x^{6} \cdot 6x^{3} =$ _____
39. $(5x^{2})^{2} =$ _____
40. $x^{5} \div x^{3} =$ _____
41. $x^{4} \div x^{2} =$ _____
42. $x^{8} \div x^{6} =$ _____
43. $2x^{6} \cdot 4x^{3} =$ _____
44. $(x^{6})^{2} =$ _____
45. $x^{10} \div x^{3} =$ _____
46. $(5x^{3})^{2} =$ _____
47. $x^{12} \div x^{6} =$ _____
48. $5x^{2} \cdot 3x^{5} =$ _____
49. $(2x^{6})^{2} =$ _____
50. $(4x^{2})^{2} =$ _____
51. $x^{7} \cdot x^{6} =$ _____
52. $(x^{4})^{3} =$ _____
53. $x^{3} \cdot x^{3} =$ _____
54. $x^{4} \cdot x^{4} =$ _____
55. $x^{5} \cdot x^{3} =$ _____
56. $(5x^{4})^{2} =$ _____
57. $(2x^{5})^{2} =$ _____
58. $(x^{6})^{5} =$ _____
59. $x^{8} \div x^{5} =$ _____
60. $x^{6} \cdot x^{4} =$ _____