

Skills Maintenance #5
Laws of Exponents

Name _____
Pd _____ Date _____

Simplify.

1. $x \cdot x^4 \cdot x$

2. $(3x^2)(2x^5)$

3. $(5a^2b^2)(2a^5b^7)$

4. $(-3x^2y)(-2x^3y^2)(-4x^3y)$

5. $(x^3)^7$

6. $(-5a^2)^2$

7. $(3c^2d^3)^3$

8. $\frac{28b^6}{7b}$

9. $\frac{15ab^3}{6ab}$

10. $\frac{-30a^4b^5c^2}{6a^6c}$

11. $\frac{32r^2s^3t^4}{64r^3s^5t^6}$

12. $(2xy^2)(3x^2y^3)^2$

13. $\frac{(3a^2b)^2}{(2ab)(3a^2b)^3}$

14. $\frac{(5ab^2)^3}{(2a^2b)(-5ab)^2}$

Score:
Answers
1.
2.
3.
4.
5.
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11.
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14.