Scientific Notation 5

1. .0005673
2. 4.5789×10^{-5}
3. 345.09×10^{4}
4. 34,589,760,000
5. .00000000087652
6. .09873
7. 67,344,459,000,000
8. 3.435×10^{5}
9. .000049328
10. 8.983×10^{-8}
11. $.009834 \times 10^{-7}$
12. .7893
13. 2.3490×10^{6}
14. .00000000000348765

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More Properties of Exponents

Date_____ Period____

Simplify. Your answer should contain only positive exponents.

1) $\left(x^{-2}x^{-3}\right)^4$

2) $\left(x^4\right)^{-3} \cdot 2x^4$

3) $\left(n^3\right)^3 \cdot 2n^{-1}$

4) $(2v)^2 \cdot 2v^2$

5) $\dfrac{2x^2y^4 \cdot 4x^2y^4 \cdot 3x}{3x^{-3}y^2}$

6) $\dfrac{2y^3 \cdot 3xy^3}{3x^2y^4}$

7) $\dfrac{x^3y^3 \cdot x^3}{4x^2}$

8) $\dfrac{3x^2y^2}{2x^{-1} \cdot 4yx^2}$

9) $\dfrac{x}{\left(2x^0\right)^2}$

10) $\dfrac{2m^{-4}}{\left(2m^{-4}\right)^3}$