Unit 1 Review 2

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| 1.) $3^{-4}=$  | 6.)$$\left(x^{2}y^{5}z^{3}\right)^{4}=$$ |
| 2.)$$3^{4}∙4^{-2}∙3^{-1}∙4^{-3}=$$ | 7.)$$\frac{8^{4}}{8^{10}}=$$ |
| 3.)$$\left(3^{5}\right)^{0}=$$ | 8.)$$3^{-4}=$$ |
| 4.)$$p^{4}∙q^{3}∙p^{5}∙q^{-2}=$$ | 9.)$$\frac{5^{10}∙8}{5^{2}∙8^{-3}}=$$ |
| 5.)$$\frac{k^{7}}{k^{5}}=$$ | 10.)$$\left(3r^{8}\right)\left(4r^{-9}\right)\left(5r^{3}\right)=$$ |
| 11.) $$4^{-2}×4^{5}×4^{0}×4^{-1}×4^{9}×4^{-3}=$$ |
| 12.)$$7^{-4}×7^{8}×7^{2}×7^{-3}×7^{-10}×7^{5}=$$ |
| 13.) | Write each number in standard form:9.01 x 10-2 2.505 x 103 7.19 x 10-5  |
| 14.) | Write each number in scientific notation:499,000  0.0125 57,000,000  |
| 15.) | $$5.98×10^{3}-2.34×10^{3}$$ |
| 16.) | $$3.4×10^{2}+5.2×10^{2}$$ |
| 17.) | $$\left(9.1 ×10^{2}\right)\left(4×10^{7}\right)$$ |
| 18.) | $$\frac{6.3×10^{8}}{3×10^{2}}$$ |