

Bellwork Friday, April 11, 2014

Simplify each. Write answers so that no exponents are negative or zero.

1. $b^4 b^6 = b^{10}$

2. $(8w^4x^{-5})(-2wx^2) =$
 $-16w^5x^{-3}$
 $= \frac{-16w^5}{x^3}$

3. $(-9m^2n^{-3}p^8)(5mn^2p^{-5})(-m^6np^2) =$

$45m^9n^0p^5 = 45m^9p^5$

4. $(g^4)^6 = g^{24}$

$g^4 \cdot g^4 \cdot g^4 \cdot g^4 \cdot g^4 \cdot g^4$

5. $(2k^{-5}j^2)^4 =$
 $(2^4)(k^{-5})^4(j^2)^4$
 $\frac{16j^8}{k^{20}}$

6. $(5a^3b^7)^2(2a^5b^{-2})^3 =$

$(25a^6b^{14})(8a^{15}b^{-6})$
 $= 200a^{21}b^8$