Algebra 1 Bellwork Friday, February 27, 2015

Simplify each. Give answers so that NO exponents are zero or negative. Give fractional answers in reduced form (NO DECIMALS)

1. $\frac{40R^9}{8R^5} =$

2. $\frac{18A^5B^6}{42A^{20}B^3} =$

3. $\frac{(3m^9n^{-8})(2m^3n^2)}{18m^{-2}n^5} =$

4. $\left(\frac{-4R^5C^{-4}}{R^3C^{-6}}\right)^2 =$

5. $\left(\frac{15x^4z^5}{w^2y^9}\right)\left(\frac{w^7y}{9x^8z^4}\right) =$

6. $\left(\frac{k^{-5}n^{12}}{2k^3n^6}\right)^{-3} =$

7. $\left(\frac{g^4h^{-3}k^5}{g^8h^{-6}k}\right)^{-2}\left(\frac{g^{-5}h^{-7}k^3}{g^{-2}h^4k^{-5}}\right)^3 =$

Algebra 1 Bellwork Friday, February 27, 2015 Answers

Simplify each. Give answers so that NO exponents are zero or negative. Give fractional answers in reduced form (NO DECIMALS)

1. $\frac{40R^9}{8R^5} =$ $5R^4$

2. $\frac{18A^5B^6}{42A^{20}B^3} =$ $\frac{3B^3}{7A^{15}}$

3. $\frac{(3m^9n^{-8})(2m^3n^2)}{18m^{-2}n^5} =$ $\frac{m^{14}}{3n^{11}}$

4. $\left(\frac{-4R^5C^{-4}}{R^3C^{-6}}\right)^2 =$ $16R^4C^4$

5. $\left(\frac{15x^4z^5}{w^2y^9}\right)\left(\frac{w^7y}{9x^8z^4}\right) =$ $\frac{5w^5z}{3x^4y^8}$

6. $\left(\frac{k^{-5}n^{12}}{2k^3n^6}\right)^{-3} =$ $\frac{8k^{24}}{n^{18}}$

7. $\left(\frac{g^4h^{-3}k^5}{g^8h^{-6}k}\right)^{-2}\left(\frac{g^{-5}h^{-7}k^3}{g^{-2}h^4k^{-5}}\right)^3 =$ $\frac{k^{16}}{gh^{39}}$