

17- Properties of Exponents

Score _____ Per _____

Simplify and evaluate all numbers.

1. $3r^2 \cdot 5r^4 =$

2. $(7x^5)(8x) =$

3. $b^4 \cdot b^{-2} \cdot b =$

4. $(15a^3)(-3a^{-1}) =$

5. $(4c^4)(ac^3)(3a^5c) =$

6. $x^6 \cdot y^2 \cdot x^4 =$

7. $(5x^5)(3y^6)(3x^2) =$

8. $(x^5)^2 =$

9. $(q^{10})^{10} =$

10. $(4m^3)^4 =$

11. $(2xy)^3 \cdot x^2 =$

12. $(2p^6)^0 =$

13. $(3b^{-2})^2 \cdot (a^2b^4)^3 =$

14. $\left(\frac{2x}{y}\right)^5 =$

15. $\left(\frac{6}{n^6}\right)^2 =$

16. $\frac{49m^4}{63m^6} =$

17. $\frac{24x^3y^6}{8xy^9} =$

18. $\left(\frac{3x^4}{4x^6}\right)^2 =$

