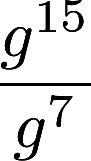
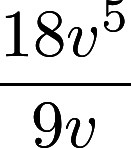
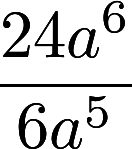
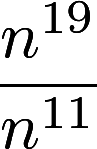
Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

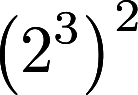
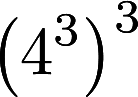
**Homework #2 - Due Friday 9/21**

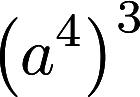
**Directions:** Simplify.

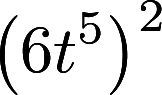
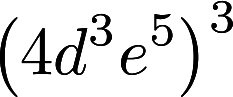
1. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cfrac%7Bx%5E8%7D%7Bx%7D) 2. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cfrac%7Bg%5E%7B15%7D%7D%7Bg%5E7%7D) 3. the fraction with numerator 8 to the seventh power and denominator 8 squared

4. the fraction with numerator n cubed and denominator n to the fifth power 5. the fraction with numerator 5 to the ninth power and denominator 5 squared 6. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cfrac%7B18v%5E5%7D%7B9v%7D)

7. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cfrac%7B24a%5E6%7D%7B6a%5E5%7D) 8. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cfrac%7Bn%5E%7B19%7D%7D%7Bn%5E%7B11%7D%7D) 9. 18 v to the fifth power over 6 v squared

10. 36 d to the tenth power over 9 d cubed 11. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cleft(2%5E3%5Cright)%5E2) 12. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cleft(4%5E3%5Cright)%5E3)

13. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cleft(a%5E4%5Cright)%5E3) 14. d to the seventh power to the sixth power 15. open bracket x squared to the fourth power close bracket to the sixth power

16. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cleft(6t_%7B%20%7D%5E5%5Cright)%5E2) 17. [](http://api.gmath.guru/cgi-bin/gmath?%5Cdpi%7B480%7D%5Cleft(4d%5E3e%5E5%5Cright)%5E3) 18. open paren 8 s to the fourth power close paren cubed

19. open paren 2 w cubed d squared close paren to the fourth power 20. open paren 6 n cubed close paren squared