Honors Chemistry Hour\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Dr. Wexler  
Significant Figures Worksheet 2  
Date:

Give the number of significant figures in each of the following measurements:

1. 1278.50 \_\_\_\_\_\_\_\_\_\_ 7. 8.002 \_\_\_\_\_\_\_\_\_\_ 13. 43.050 \_\_\_\_\_\_\_\_\_\_

2. 120000 \_\_\_\_\_\_\_\_\_\_ 8. 823.012 \_\_\_\_\_\_\_\_\_\_ 14. 0.147 \_\_\_\_\_\_\_\_\_\_

3. 90027.00 \_\_\_\_\_\_\_\_\_\_ 9. 0.005789 \_\_\_\_\_\_\_\_\_\_ 15. 6271.91 \_\_\_\_\_\_\_\_\_\_

4. 0.0053567 \_\_\_\_\_\_\_\_\_\_ 10. 2.60 \_\_\_\_\_\_\_\_\_\_ 16. 6 \_\_\_\_\_\_\_\_\_\_

5. 670 \_\_\_\_\_\_\_\_\_\_ 11. 542000. \_\_\_\_\_\_\_\_\_\_ 17. 3.47 \_\_\_\_\_\_\_\_\_\_

6. 0.00730 \_\_\_\_\_\_\_\_\_\_ 12. 2653008.0 \_\_\_\_\_\_\_\_\_\_ 18. 387465 \_\_\_\_\_\_\_\_\_\_

Round off the following numbers to three significant digits:

19. 120000 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 22. 4.53619 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. 5.457 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 23. 43.659 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21. 0.0008769 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 24. 876493 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perform the following operations giving the proper number of significant figures in the answer:

25. 23.4 x 14

26. 0.0945 / 1.47

27. 7.895 + 3.4

28. 0.005 - 0.0007

29. (4 x 972) + (76.4 x 29.3) – (12 x 7)