Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Alg2R VISCA: 4-6 Homework (EVENS ONLY)

Solve each equation algebraically. (Get same base)

1. 7 = 49 x  2. 2 = 16 x

3. 4 x = 4. 3 x = 

5. 5 –x + 2 = 625 6. 2 –2x  = 64

7. 4 x = 2 8. 8 6 = 4

9. 8 = 4 x  10. 128 = 4 x

11. 16 x =  12. 6 3x - 5 = 36 4x + 10

13. 9 8 = 3 14.  = 

15. 25 2x + 1 = 125 x + 2 16. 1000x = 0.1

17.  = 4 x 18. 4 3x - 2 = 64 3x + 2

19. 100x = 0.01 20. 9 x  = 81 2x + 1

Solve each equation algebraically. (reciprocal power of a power)

21. x 6 = 64 22. x 5 = 

23.  24. 

25.  26. 