HW: 5.4 Solve Exponential Equations Algebra 2 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_

**Directions**: Solve each equation. Round to three decimal places.

1.  2.  3. 

4.  5.  6. 4*x −* 5 = 12

7.  8.  9. 

10.  11. 12. 

13.  14.  15. 

16. $e^{2}=2$ 17. $e^{-x}=3$ 18. $e^{2x}=25$

19. $e^{3x}=8$ 20. $e^{x-2}=2$ 21. $\frac{1}{e^{x}}=7$