Name _____ Date _____

COLLEGE ALGEBRA

Practice Final Exam

1. If the equation $x^2 - y = 7$ describes an one-to-one function find an equation of the inverse function.

2. Solve the equation $\quad 2^{7-3x} = \dfrac{1}{2}$

3. Find the required annual interest rate, to the nearest tenth of a percent, for \$13, 696 to grow to \$19, 026 if interest is compounded semiannually for 10 years.

4. Convert $\log \sqrt{7}^{343} = 6$ to exponential form.

7. Solve the equation $P - P_o = (P_1 - P_o)10^{-kt}$ for the variable