

Math 30
Review for Exam 2

Make sure you can do the following types of problems

1. Related rates problems. This includes being able to use volume and area formulas, as well as the Pythagorean Theorem, Similar triangles, and trigonometry.
2. Solve equations involving exponents and logarithms.
3. Find limits of functions involving exponents and logarithms.
4. Graph functions involving exponents and logarithms.
5. Find the inverse of a given function.
6. Find the derivative of the inverse of a given function at a particular point.
7. Differentiate functions involving exponents and logarithms.
8. Use logarithmic differentiation to find the derivative of complicated functions.
9. Solve word problems involving exponential growth and decay.