

MATH 201 Exam I Review 1.1 - 2.2

1. Know how to find the domain of a function.
2. Be familiar with four ways to represent a function and with polynomial, rational, exponential, and logarithmic functions.
3. Know the transformations of functions (vertical and horizontal shifts, vertical and horizontal stretching, reflection).
4. Know the laws of exponents and logarithms.
5. Know the definition of a one-to-one function and how to determine if a function is one-to-one.
6. Know how to find the inverse function of a one-to-one function and the definition of inverse function.
7. Know how to find the average and instantaneous velocity.
8. Know the definition of the limit and how to estimate the limit using a table of values.
9. Know how to evaluate infinite limits and find vertical asymptotes
11. Review Exercises.
 - (a) HW, Quizzes
 - (b) Ch. 1. Review, #1 - 27
 - (c) Ch. 2. Review, #1 - 29, 35, 37