

Concepts Algebra 2 Exam 2 Review Chapter 3 and Chapter 4 and Chapter 9

50 Questions 100 points

Chapter 3 Rational Exponents and Radical Functions

#1-2) Rewrite in each form

#3-5) Evaluate in exponent form or root form

#6-8) Simplify exponents and roots

#9-15) Functions: $+$, $-$, \times , \div compositions, inverses

#16-19) Graphing: \sqrt{x} , $\sqrt[3]{x}$. List Domain and Range

#20-22) Solve \sqrt{x} , $\sqrt[3]{x}$ equations

Chapter 4 Exponential and Logarithmic Functions

#23-25) Graph exponential. List Domain and Range

#26) know e

#27-29) Simplify exponents with e

#30) $A = Pe^{rt}$

#31-33) Graph \log s and \ln : List Domain and Range

#34-37) Evaluate logs, expand, condense, change of base

#38-42) Solve log and exponent equations

Chapter 9 Trigonometry

#43) Find 6 trig functions of angle

#44) Solve for x and y using trig

#45) Write trig functions given ordered pair

#46-50) Give trig function of special angles