

Final Exam Study Guide

Math 96

If you are able to do the following problems, you are ready for the final exam. . The actual final exam has 40 problems. This is not required but you can earn up to 10 points for doing these problems. (Answers are in the back of the book so be sure to show your work.)

Chapter 1 Page 82 – 89

5, 31, 59, 61, 63, 65, 71, 85, 87, 111, 112, 113, 123, 125, 131

For $-1/3$ give the absolute value, the reciprocal, and the opposite

Chapter 2 Page 172 – 178

9, 29, 33, 37, 39, 49, 53, 57, 75, 77, 87, 90

The length of a rectangle is one less than twice the width. The perimeter is 28 inches. Find the dimensions.

Chapter 3 Page 264 – 269

5, 11, 15, 17, 19, 22, 31, 35, 36, 37

Chapter 4 Page 344 - 349

15, 18, 31, 37, 47, 53, 57, 58, 65, 66, 73, 85, 99, 100

Multiply: Give the answer in scientific notation: $(2.7 \times 10^5)(5.1 \times 10^{-27})$

Chapter 5 Page 415 – 418

9, 15, 16, 21, 27, 31, 33, 37, 45, 49, 55, 61, 69, 71

The length of the hypotenuse of a right triangle is 5 inches. The longer leg of the triangle is one more than the shorter leg of the triangle. Using the Pythagorean theorem find the length of the sides of the triangles.

Chapter 6 Page 500 – 505

1, 9, 17, 18, 25, 39, 43, 45, 49, 51, 57, 59, 66

Chapter 7 Page 565 – 569

8, 9, 11, 15, 17, 19, 29, 33

Chapter 8 Pages 625 – 627

4, 5, 27, 32, 35