

Name: _____ Date: _____

Geometry Final Exam Review

Topics Covered:

Similar Triangles Trigonometry (SohCahToa) Pythagorean Theorem Surface Area & Volume Perimeter and Area Circles Circumference & Area of a Circle Angle of Elevation & Depression Geometric Mean Special Right Triangles

The following problems from the textbook may be used as a study tool. Odds were selected so that answers could be checked in the back of the textbook.

Chapter 7 Similar Triangles

Page 360 (37) Page 388-389 (23, 27, 29)

Chapter 8 Right Triangle Trigonometry

Page 416-417 (13, 39, 41, 43, 52) **52 (answer 32.7)**

Page 422-423 (8, 9, 21) **8 answer 73.4**

Page 439 (37)

Chapter 9 Analyzing Circles

Page 456 (19 – 35 odds)

Page 470- 471 (10 – 15, 25, 37 – 45 odd) **Answers: 10 is 72, 12 is 108, & 14 is 52**

Page 487 (11, 15, 29, 31)

Chapter 10 Exploring Polygons and Area

Page 532- 533 (9, 15, 17)

Page 547-548 (13 & 27)

Chapter 11 Surface Area and Volume

Page 595 – 596 (9, 11, 27 & 29)

Page 611 (7, 9, & 15)

Page 626 -627 (37, 39, & 53)

Page 638-639 (15, 17, 25)