Geometry – SLO Review – Blue 1 (Monday 3/30) White 1 (Tuesday 3/31) White 4 (Thursday 4/2)

Chapter 1: Sections 2, 3, 5, 6, 7

Topics: Points, lines, planes (p. 16 #15); Segment addition postulate (p. 72 #15);
Angle pair relationships (p.124 #7); Construct an angle bisector (p. 46 #15);
Distance formula (p. 54 #23)

Chapter 2: Sections 6

Topics: Angle pair relationships (p. 124 #7)

Chapter 3: Sections 2, 4, 5, 6, 8

Topics: Parallel and perpendicular lines (p. 168 #21);
Use parallel lines in two-column proofs (p. 153 #11); Triangle-angle sum theorem (p. 175 #13);
Construct a parallel line through a point not on the line (p. 186 #7);
Find equations of parallel/perpendicular lines (p. 201 #11)

Chapter 4: Sections 2, 3, 4, 5, 6, 7

Topics: Triangle congruence (SSS, SAS, ASA, AAS) (p. 239 #17); Isosceles triangle theorem (p. 254 #11);
HL theorem (p. 263 #25); Two-column proof involving overlapping triangles (p. 270 #21)

Chapter 5: Sections 1, 3

Topics: Triangle midsegment theorem (p. 288 #21);
Construct the circumcenter (perpendicular bisectors) (p. 306 #21 (circumcenter))

Chapter 6: Sections 2, 3, 4, 5, 6, 7

Topics: Properties of parallelogram, rhombuses, rectangles, squares, trapezoids, kites (p. 386 #9);
Classifying quadrilaterals on the coordinate plane (slope, distance, midpoint) (p. 404 #21)

Chapter 7: Sections 3, 5

Topics: Triangle similarity (AA, SSS, SAS) (p. 455 #11); Side-splitter theorem (p. 475 #11)

Chapter 8: Sections 1, 2, 3, 4

Topics: Pythagorean theorem (for right, acute, obtuse triangles) (p. 496 #29);
Special right triangles (p. 504 #17); Trigonometry (p. 510 #11, p. 511 #23);
Angles of elevation and depression (p. 520 #33)

Chapter 9: Sections 1, 2, 3, 6

Topics: Translations (p. 550 #13); Reflections (p. 558 #15); Rotations (p. 565 #17); Dilations (p. 591 #29)
(all coordinate plane)

Chapter 10: Sections 2, 3

Topics: Areas of parallelograms, triangles, trapezoids (p. 627 #31);
Areas of regular polygons (p. 632 #13)