Precalculus SLO Review **Blue 3 (Wednesday 4/1)** **Blue 4 (Wednesday 4/1)**

Chapter 1: Sections 1, 9

Topics: Composition of functions and domain (p. 90 #35b)
Inverse functions (p. 100 #39)

Chapter 2: Sections 2, 5, 6

Topics: Intermediate value theorem (p. 150 #87 for the interval [-2,-1])
Finding zeros of polynomial functions (p. 180 #67)
Graphing rational functions (p. 194 #43)

Chapter 3: Sections 1, 2, 3, 4/5

Topics: Transformations of exponential functions (p. 226 #17)
Evaluating logarithms using a calculator (p. 236 #23)
Condensing logarithmic expressions (p. 244 #71)
Word problems involving an exponential equation (p. 266 #39)

Chapter 4: Section 1, 4, 5, 7, 8

Topics: Sketching angles in standard position (p. 290 #37a)
Finding coterminal angles (p. 291 #41b)
Converting between radians and degrees (p. 291 #49b)
Finding the six trigonometric values of an angle (p. 319 #49)
Sketching sine and cosine graphs (p. 329 #49)
Finding trigonometric values from other values using triangles (p. 318 #17)
Inverse trigonometry using triangles (p. 350 #53)
Word problems involving right triangle trigonometry (p. 361 #37)

Chapter 5: Sections 1, 2, 3, 4, 5

Topics: Verify trigonometric identities (p. 387 #23)
Simplify trigonometric expressions. (p. 379 #33)
Solving trigonometric equations (p. 396 #21)
Using sum and difference formulas (p. 404 #47)
Using double-angle formulas (p. 415 #25)

Chapter 6: Sections 1, 2

Topics: Law of sines (p. 436 #7)
Law of cosines (p. 443 #5)