

## **Pre-Calc & Trig Final Review**

### **Unit 6: Trig Function/Solving Triangles**

SOH-CAH-TOA

Find missing sides/angles of right triangle

Find missing sides/angles of non-right triangle

### **Unit 7: Trig Identities**

Simplify

Verify

Evaluate other trig functions given tangent

### **Unit 8: Solving Trig Identities**

Solve on the interval  $[0, 2\pi)$

### **Unit 9: ACT (Seniors Skip)**

Find Mean

Substitution (with and without Functions)

Midpoint

Solve Surface Area (equation given)

Law of Sine and Cosine

### **Unit 10: Pre-Calc/Trig Review Main Topics**

Rewrite or Evaluate Logarithms

Solve Polynomial

Solve Rational Exponents

Solve Exponential Equations (check for extraneous solutions)

### **Unit 11: Limits**

Currently not going to be on final since we just tested on it...

(Note: Juniors... depending on how the test goes we may add it back onto the final)

## **Pre-Calc & Trig: Review problems from the book**

### **Unit 6: Trig Function/Solving Triangles**

Page 306 #5–12

Page 434 #5–8, 45

Page 441 #5–8

### **Unit 7: Trig Identities**

Page 377 #1–6, 11, 15, 37, 43, 45, 47, 53, 75

### **Unit 8: Solving Trig Identities**

Page 394 #5–17, 73

### **Unit 9: ACT (Seniors Skip)**

### **Unit 10: Pre-Calc/Trig Review Main Topics**

Page 241 #7, 8, 15–22

Page 251 #13, 14, 43–45, 47–48

Page 176 #9–12, 15–18

bottom A22–A23, A25 #66–68

### **Unit 11: Limits**

Won't be on final as long as we do well on the test