

145 Test 4 (Final) Review

7.4 Inverses of the Trigonometric Functions
p.629 1-20, 21-32, 55-64

7.5 Solving Trigonometric Equations
p.641-642: 13-18, 27+28, 31

8.1 Law of Sines (No 2 Triangles)
p.666: 1, 2, 4, 7, 8, 9, 11, 13, 15 $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

8.2 Law of Cosines
p.676: 6, 8, 13, 15, 18, 25 $a^2 = b^2 + c^2 - 2bc \cos A$
 $b^2 = a^2 + c^2 - 2ac \cos B$
 $c^2 = a^2 + b^2 - 2ab \cos C$

Test 1: 1, 9

Test 2: | Reference Angles + Exact Function Value.
3, 4 Degrees \leftrightarrow Radians
7 Amp, Period, Phase Shift
 $y = A \cos(Bx + C)$

Test 3: 2, 4, Prove Identity similar to 7b.