

Pre-Calculus

Unit 5b – December 1 to December 19

Date	Topic	Assignment
Mon 12/1	Right Triangle Trig and Applications	Handout
Tues 12/2	Law of Sines	Worksheet
Wed 12/3	Law of Sines	Handout
Thurs 12/4	Law of Cosines	Worksheet
Fri 12/5	Law of Cosines	Handout
Mon 12/8	Law of Cosines - Applications	Handout
Tues 12/9	Mixed Application Problems	Handout
Wed 12/10	Review	
Thurs 12/11	Test 2.4 - Right Triangle, Law of Sines and Cosines	
Fri 12/12	Final Exam Review	
Mon 12/15	Final Exam Review	
12/16 - 12/19	Final Exams	Study

Tuesday, December 2

Law of Sines

- 1) $m\angle A = 70^\circ, c = 26, a = 25$ 2) $m\angle B = 45^\circ, a = 28, b = 27$ 3) $m\angle C = 145^\circ, b = 7, c = 33$
- 4) $m\angle B = 73^\circ, a = 7, b = 5$ 5) $m\angle B = 117^\circ, a = 16, b = 38$ 6) $m\angle B = 84^\circ, a = 18, b = 9$
- 7) $m\angle B = 105^\circ, b = 23, a = 14$ 8) $m\angle C = 13^\circ, m\angle A = 22^\circ, c = 9$

Thursday, December 4

Law of Cosines

- 1) In $\triangle ABC, a = 14\text{cm}, b = 9\text{cm}, c = 6\text{cm}$ 2) In $\triangle XYZ, m\angle X = 138^\circ, y = 15\text{in}, z = 25\text{in}$
- 3) In $\triangle QRP, q = 12\text{in}, p = 28\text{in}, r = 18\text{in}$ 4) In $\triangle QRP, p = 28\text{km}, q = 17\text{km}, r = 15\text{km}$
- 5) In $\triangle DEF, e = 16\text{yd}, d = 12\text{yd}, f = 17\text{yd}$ 6) In $\triangle RPQ, p = 18\text{mi}, m\angle R = 17^\circ, q = 28\text{mi}$