01

Law of Sines: ASA, SSA

Law of Corine: SSS, SAS

Q2

a) 25.4313 b) 40.3° c) 43.9° d) 114.8843

c) <A = 44°

Q3

a) LC=114°

AC=24.3352

b) <B=50°

BC = 1.3054 BC=51.1820 AB = 2.5712

∠B = 68°

BC = 8.9906

d) LB=31.0°

cc = 69.0°

AB = 6.1619

Q4

a) LC=47° Ac = 64.2434 BC = 26.7126 b) LB = 85°

AB= 9.6977

BC = 5.0191

c) $\angle A = 60^{\circ}$ b = 21.2511

a = 105,9846

d) C1 = 53.40 B1 = 89.6°

C3 = 126.6° 8= 16.4°

b, = 49.8480

b, = 14.0745

e) LB, = 41.3° LB, = 138.7°

∠A, = 100.7° ∠A, = 3.3°

a₁=67.0332 a₂= 3.9270

f) Cannot form a

triangle.

05

2BCD = 2CBD = 25°

<BAC = 105°

AD = 5.2503

Q6

a) LADC = 135.6°

L DCA = 14.4° b) Area DCA = 69.6332 Q7 X=38°

R = 174.6089

a) 28.8810

6) 26.7557

c) 29.9° d) 111.0°

09

a) C= J604 ∠A=39.4°

B= 15-5° C = 101.5°

c) LA=49.9° d) No triangle b) A=63.6°

LB= 72.9°

20 = 57.2°

Q/D

a) 180

b) 19.9609

LB = 20.6°

QII

a) 40.8481

012

a) 62.6175 mi

6) 4/3-2/5

b) S18.2°E