

Answers to 5.5 Law of Cosines

1) 39.2 yd^2

3) 30°

5) 49 km

7) 37.4 km

9) 61°

11) $m\angle C = 23^\circ, m\angle A = 34^\circ, b = 15 \text{ km}$

13) $m\angle C = 32.5^\circ, m\angle A = 53.7^\circ, m\angle B = 93.8^\circ$

15) $m\angle A = 30^\circ, m\angle B = 32^\circ, c = 30 \text{ km}$

17) $(x - 8)^2$