Study Guide #7

Lessons Covered: #25 Trig Identities, #26 & #27 Law of Sines, #28 & #29 Law of Cosines
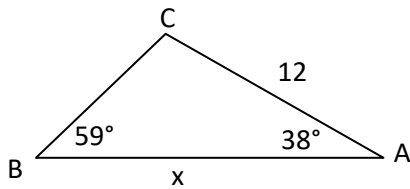
Name: _____ Date: _____ Period: _____

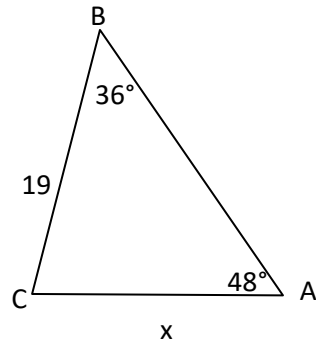1. A right triangle has acute angles X and Y with Sin X = 9/15. Draw a picture and find Tan Y

2. A right triangle has acute angles A and B with T an B = 9/40. Draw a picture and find Cos A
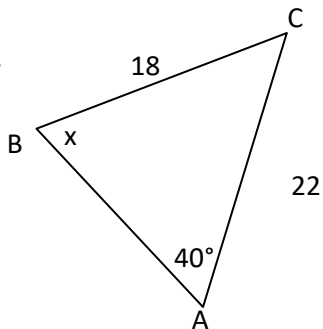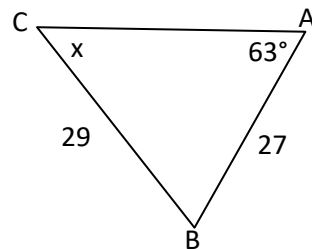
Find x in each diagram

3.

C

12

59°   38°   A
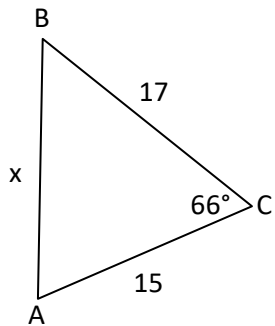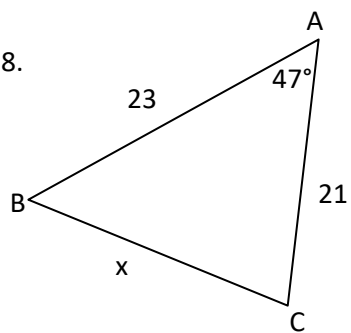B   x

4.

B

36°

19

48° A
C

x

5.

C

18

B   x

22

40°

A

6.

C   A
x   63°

29   27

B

7.

B

17

x

66° C

15

A

8.

A

47°

23

B

21

x

C

9.

A

18

B

x

15

14

C

10.

A

x

25

27

C

23

B

6 Review Questions