

Using the triangle to the right solve for the following:

1)

<Q = 42o

p = 24

r = ?

2)

<Q = 42o

p = 24

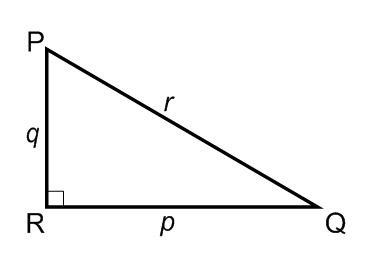
q = ?

3)

<P = 68o

q = 54

r = ?



4)

<Q = 30o

p = 40

r = ?

5)

<P = 53o

p = 23

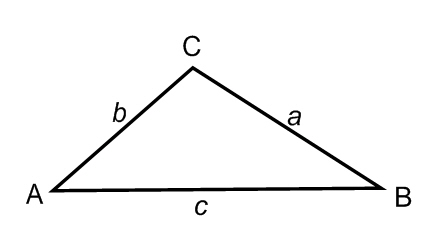
q = ?

6)

<Q = 20o

p = 110

q = ?

Given the following triangle and formula for the law of sines:

Solve for the following as directed:

7)

<A = 50o

<C =115o

c = 22

a = ?

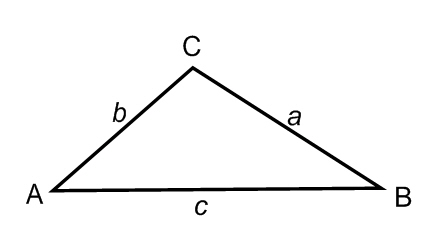
8)

<A = 50o

<C =115o

c = 22

Solve the triangle:



9)

<A = 35o

<C =95o

a = 22

Solve the triangle:

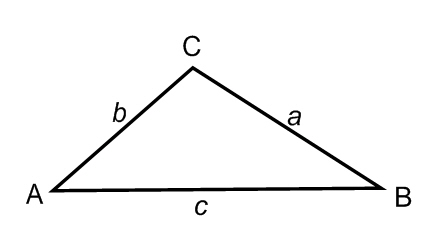
10)

<A = 75o

<C =75o

b = 25

Solve the triangle:



11)

<A = 55o

a =15

b = 35

Solve the triangle:

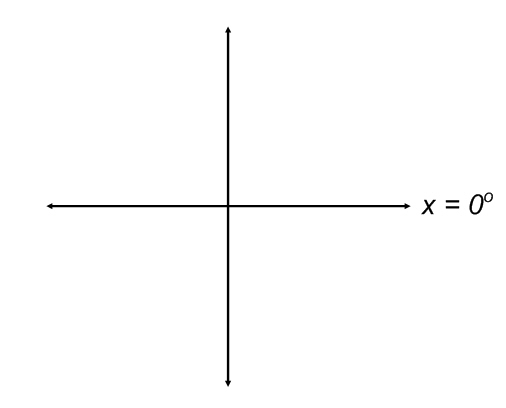
12)

<C = 45o

a =14

c = 36

Solve the triangle:

Use the unit Circle axis to sketch a graph of x and find the reference triangle:

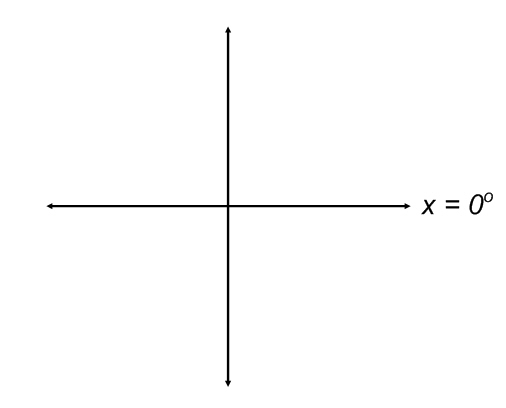
13) *x = 45o*

Find:

sinx =

cosx =

tanx =



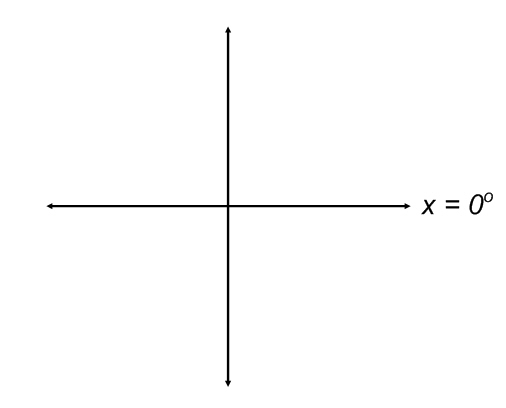
14) *x = 120o*

Find:

sinx =

cosx =

tanx =



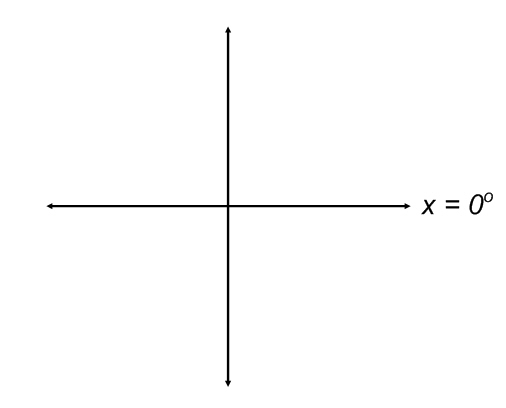
15) *x =* ***-****60o*

Find:

sinx =

cosx =

tanx =



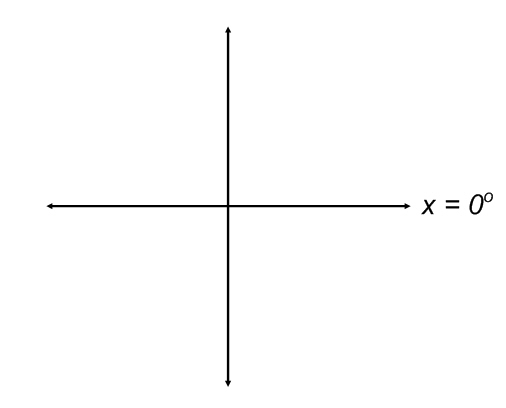
16) *x = 240o*

Find:

sinx =

cosx =

tanx =



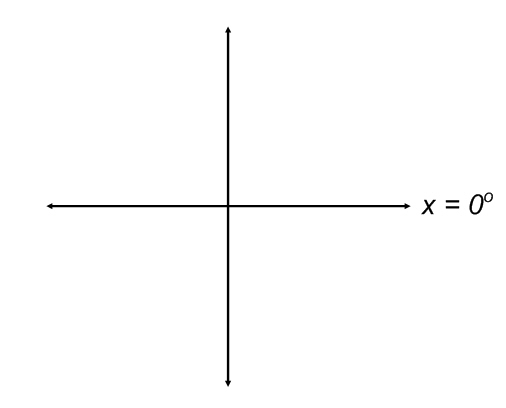
17) *x = 315o*

Find:

sinx =

cosx =

tanx =



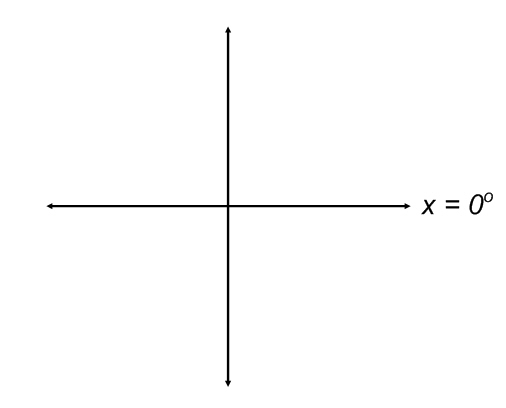
18) *x =* ***-****120o*

Find:

sinx =

cosx =

tanx =



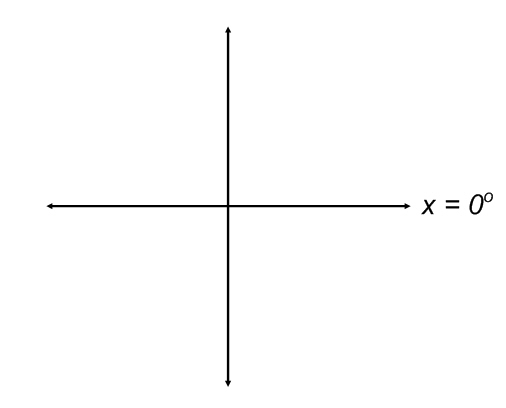
19) *x = 930o*

Find:

sinx =

cosx =

tanx =



20) *x =* ***-****510o*

Find:

sinx =

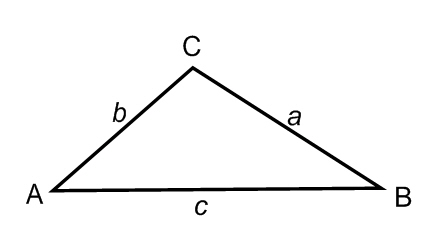
cosx =

tanx =

**Bonus:**

Find the value of the following:

21) 22) 23)



Find the Area of the following triangles:

24) <A = 28o

b = 14

c = 9

25) <A = 54o

<C = 65o

a = 19.2

Use the Law of Cosine to solve for each triangle:

26) <C = 120o

a = 9

b = 5