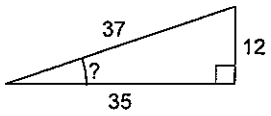
Sides opposite and adjacent to a given angle Name_____

Identifying parts of a right triangle

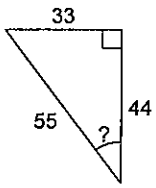
Date_____ Period____

Identify the side opposite and the side adjacent to the given angle.

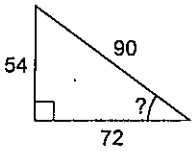
1)



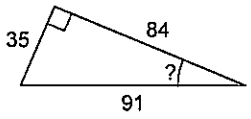
2)



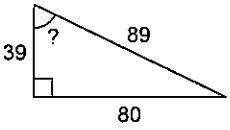
3)



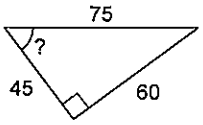
4)



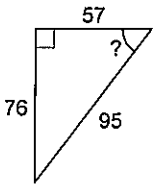
5)



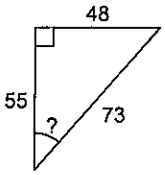
6)



7)



8)



Write the trigonometric relationships.

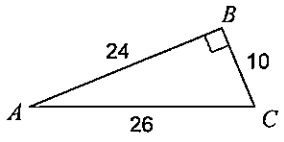
9) $\sin\theta$= ----

$\cos\theta$= ----

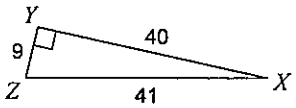
$\tan\theta$= -----

Find the value of each trigonometric ratio.

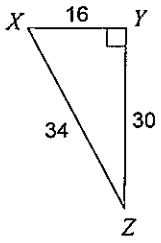
10) $\sin C$



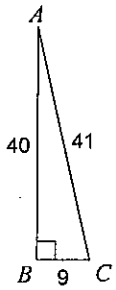
11) $\sin X$



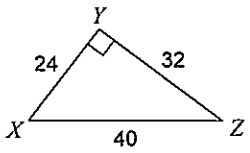
12) $\cos X$



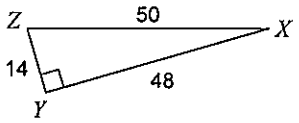
13) $\cos C$



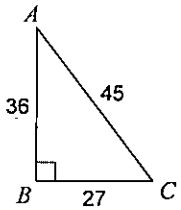
14) $\cos X$



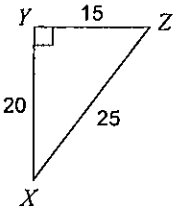
15) $\tan X$



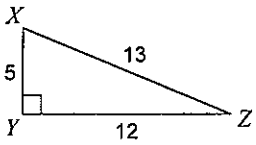
16) $\tan A$



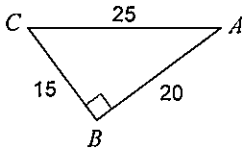
17) $\tan Z$



18) $\tan X$



19) $\sin A$



Draw each angle.

20) 30°

21) 45°

22) 210°

23) 150°

24) -135°

25) 315°

Sides opposite and adjacent to a given angle

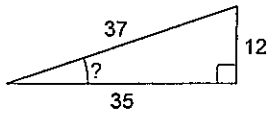
Name Key

Identifying parts of a right triangle

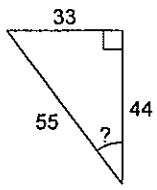
Date _____ Period ____

Identify the side opposite and the side adjacent to the given angle.

1)

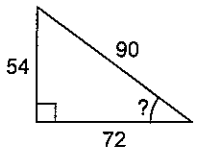


2)

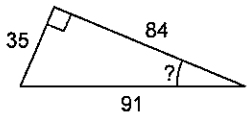


opp = 33
adj = 44

3)

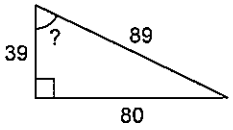


4)

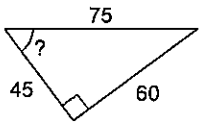


opp = 35
adj = 84

5)

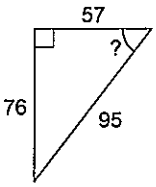


6)

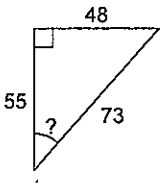


opp = 60
adj = 45

7)



8)



opp = 48
adj = 55

Write the trigonometric relationships.

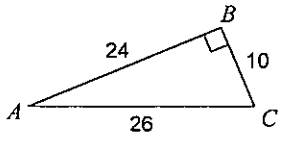
9) $\sin\theta$= ----

$\cos\theta = \frac{\text{adjacent}}{\text{hypotenuse}}$

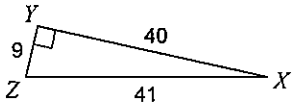
$\tan\theta$= ----

Find the value of each trigonometric ratio.

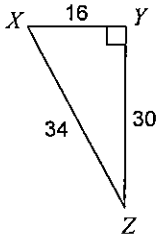
10) $\sin C$



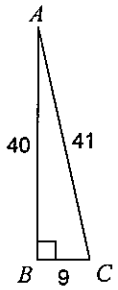
11) $\sin X$ $\frac{9}{41}$



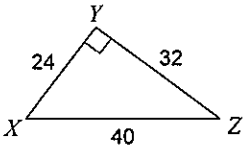
12) $\cos X$



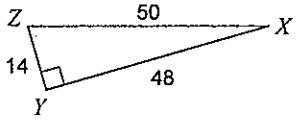
13) $\cos C$ $\frac{9}{41}$



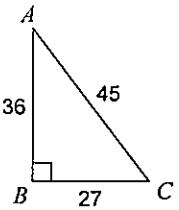
14) $\cos X$



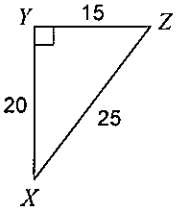
15) $\tan X$ $\frac{7}{24}$



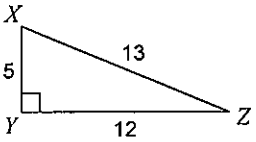
16) $\tan A$



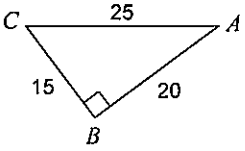
17) $\tan Z$ $\frac{4}{3}$



18) $\tan X$



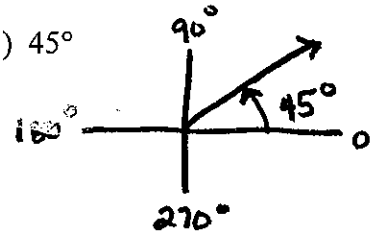
19) $\sin A$ $\frac{3}{5}$



Draw each angle.

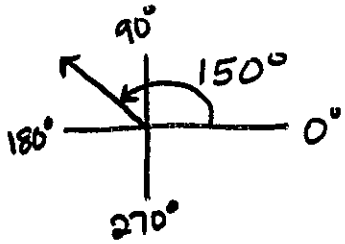
20) 30°

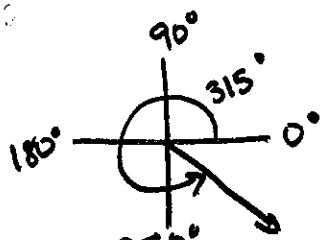
21) 45°



22) 210°

23) 150°



24) -135°

25) 315°