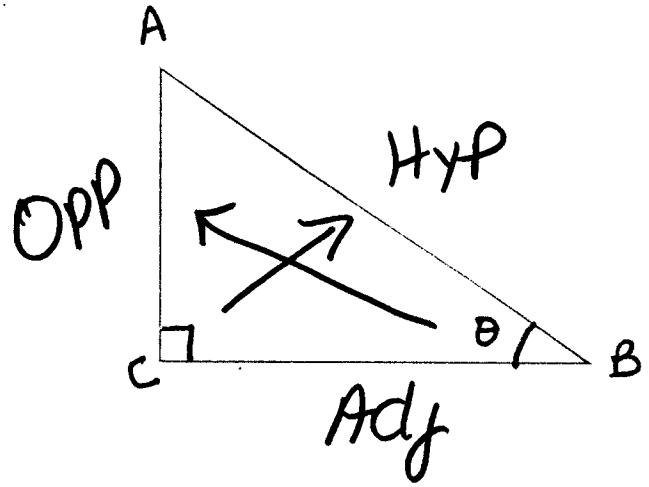
Name _____ NOTES Date _____

Trig basics Period _____

1)

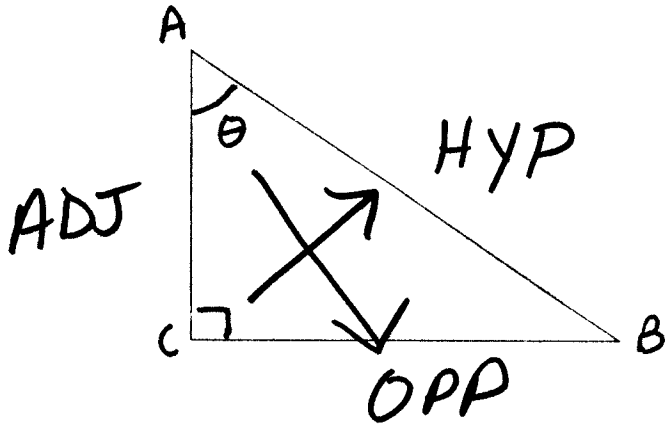


Hypotenuse $\overline{AB}$

Opposite $\overline{AC}$

Adjacent $\overline{CB}$

2)

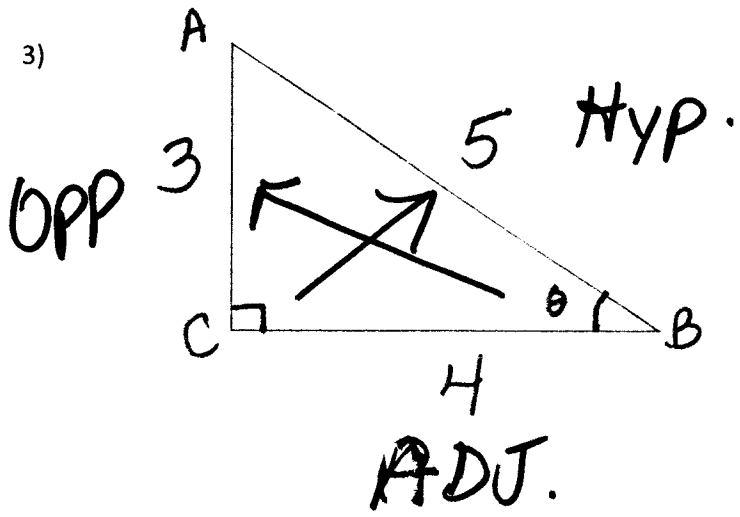


Hypotenuse $\overline{AB}$

Opposite $\overline{CB}$

Adjacent $\overline{AC}$

3)

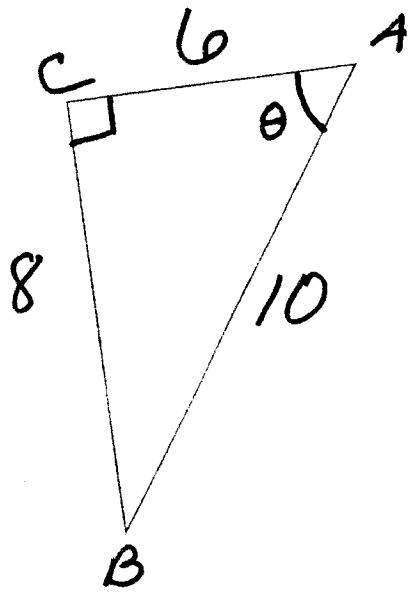


Hypotenuse 5

Opposite 3

Adjacent 4

4)

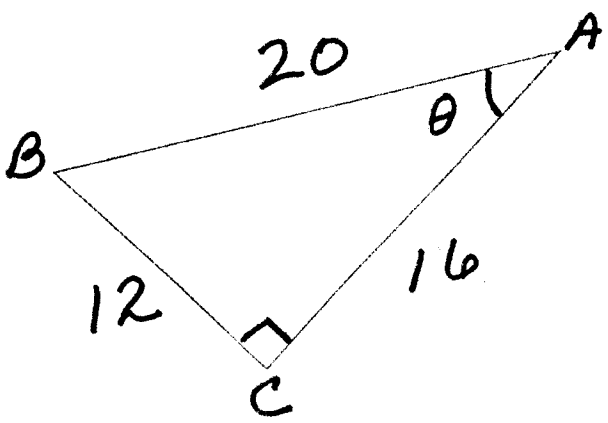


Hypotenuse_____

Opposite _____

Adjacent _____

5)



Hypotenuse_____

Opposite _____

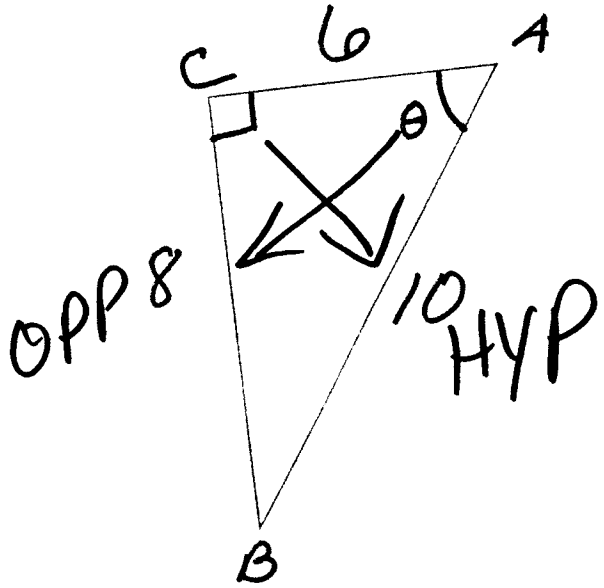
Adjacent _____

Sine Θ =

Cosine Θ =

Tangent Θ =

4)

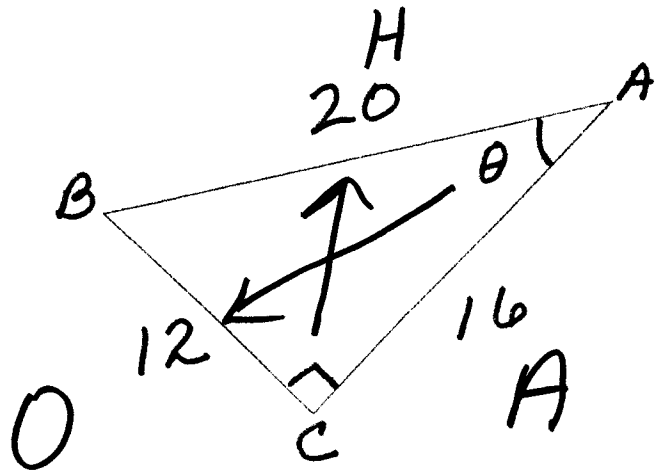


Hypotenuse 10

Opposite 8

Adjacent 6

5)



Hypotenuse 20

Opposite 12

Adjacent 16

Sine Θ =

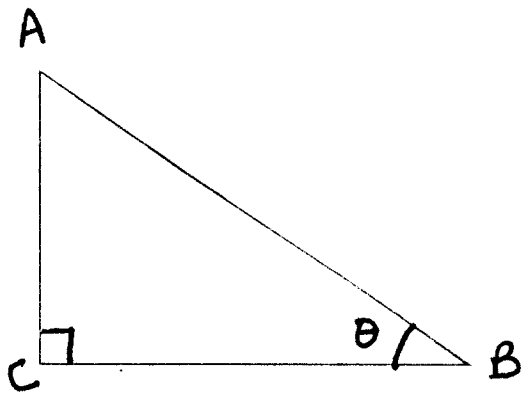
Cosine Θ =

Tangent Θ =

Name _____ Date _____

Trig basics Period _____

1)

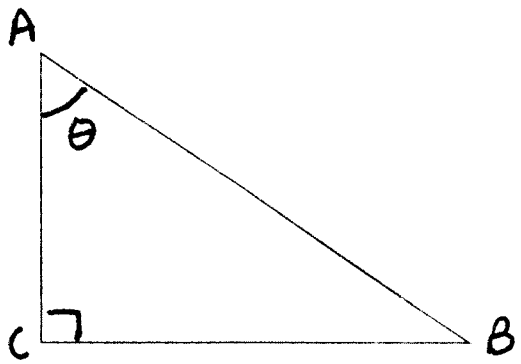


Hypotenuse _____

Opposite _____

Adjacent _____

2)

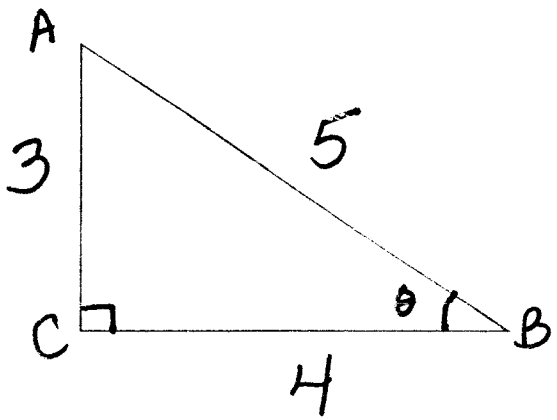


Hypotenuse AB

Opposite CB

Adjacent _____

3)



Hypotenuse _____

Opposite _____

Adjacent _____

TRIGONOMETRY

3 corner measure

Right Δ

θ THETA
↳ symbol for an angle

sine (sin) $\theta = \frac{\text{opposite}}{\text{hypotenue}}$ $S = \frac{O}{H}$

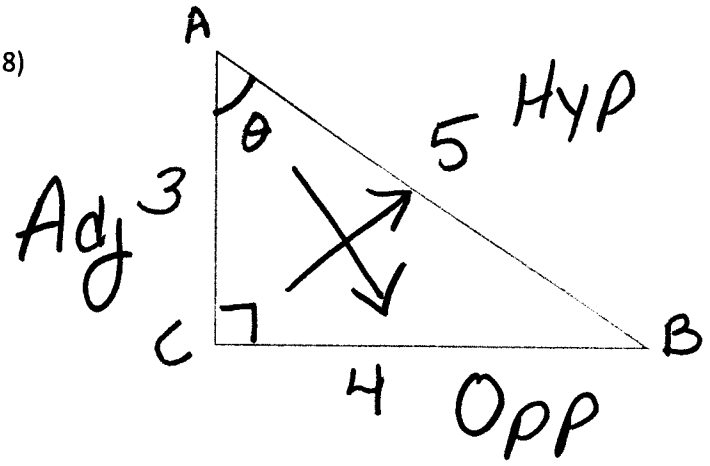
cosine (cos) $\theta = \frac{\text{cosine}}{\text{hypotenuse}}$ $C = \frac{A}{H}$

tangent (tan) $\theta = \frac{\text{opposite}}{\text{adjacent}}$ $T = \frac{O}{A}$

Some old horse Caught another horse Taking oats away

note: θ is the symbol for angle

8)

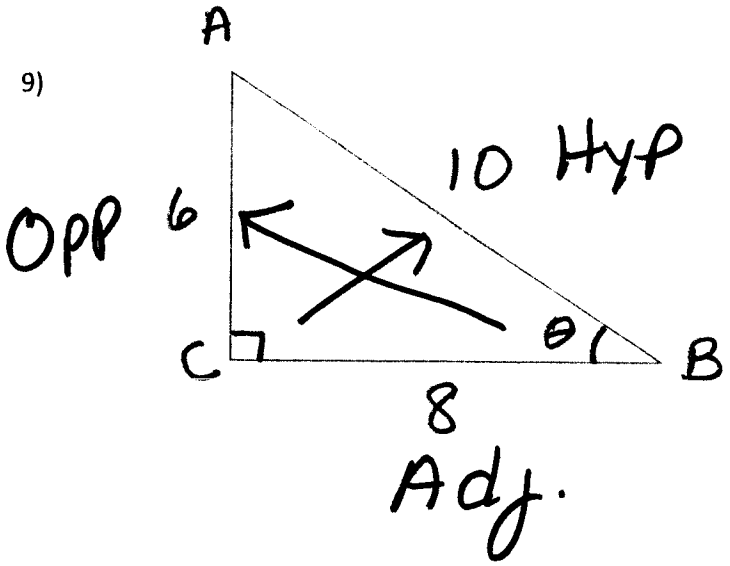


Sin Θ = $\frac{4}{5}$

Cosine Θ = $\frac{3}{5}$

Tangent Θ = $\frac{4}{3}$

9)

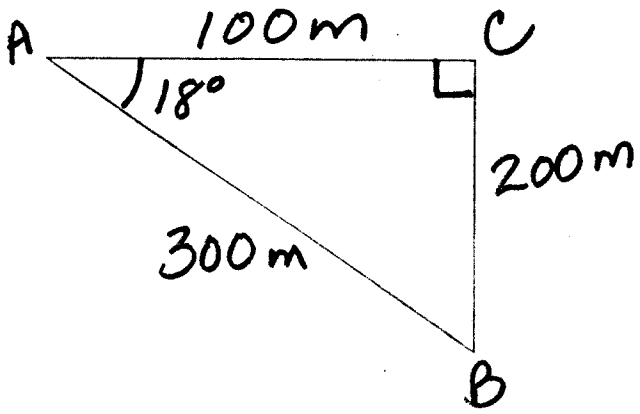


Sin Θ = $\frac{6}{10}$

Cosine Θ = $\frac{8}{10}$

Tangent Θ = $\frac{6}{8}$

6)

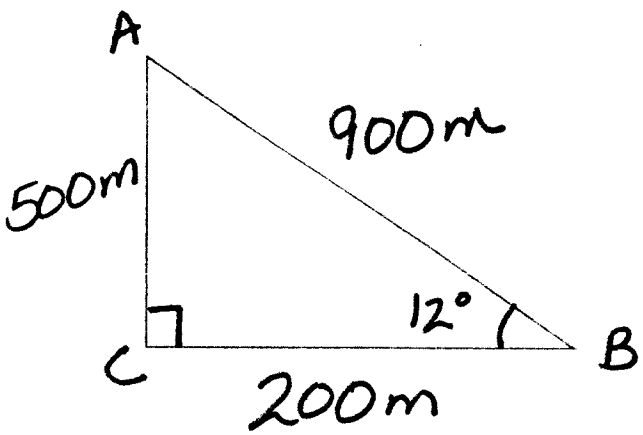


Sin Θ = _____

Cosine Θ = _____

Tangent Θ= _____

7)



Sin Θ = _____

Cosine Θ = _____

Tangent Θ= _____