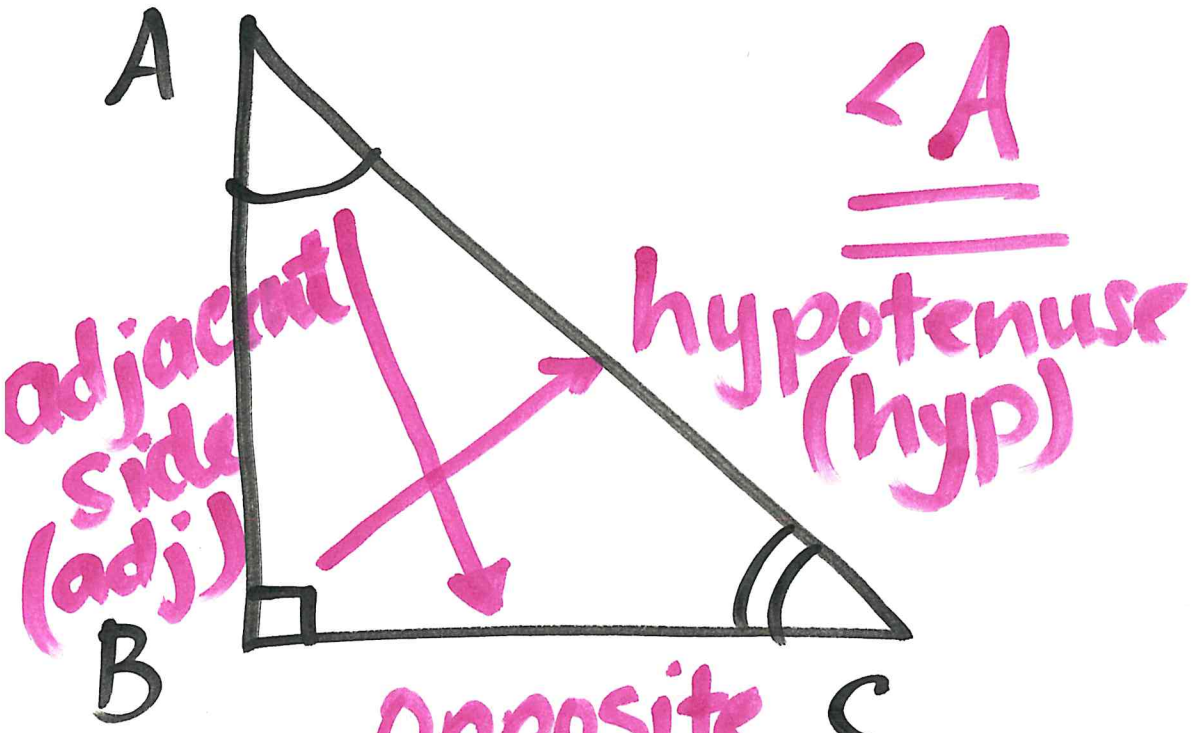
1/3/2022

M2 Lesson 26/27

Sine, Cosine, Tangent
(sin) (cos) (tan)

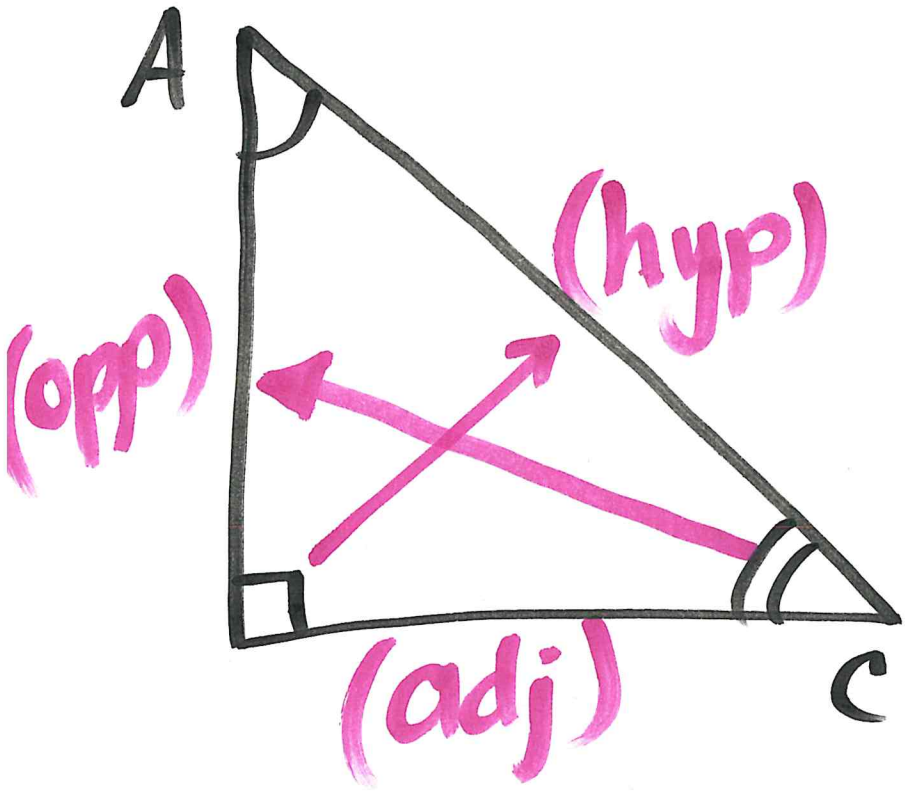
* Only works on Right Δ's

Set-up



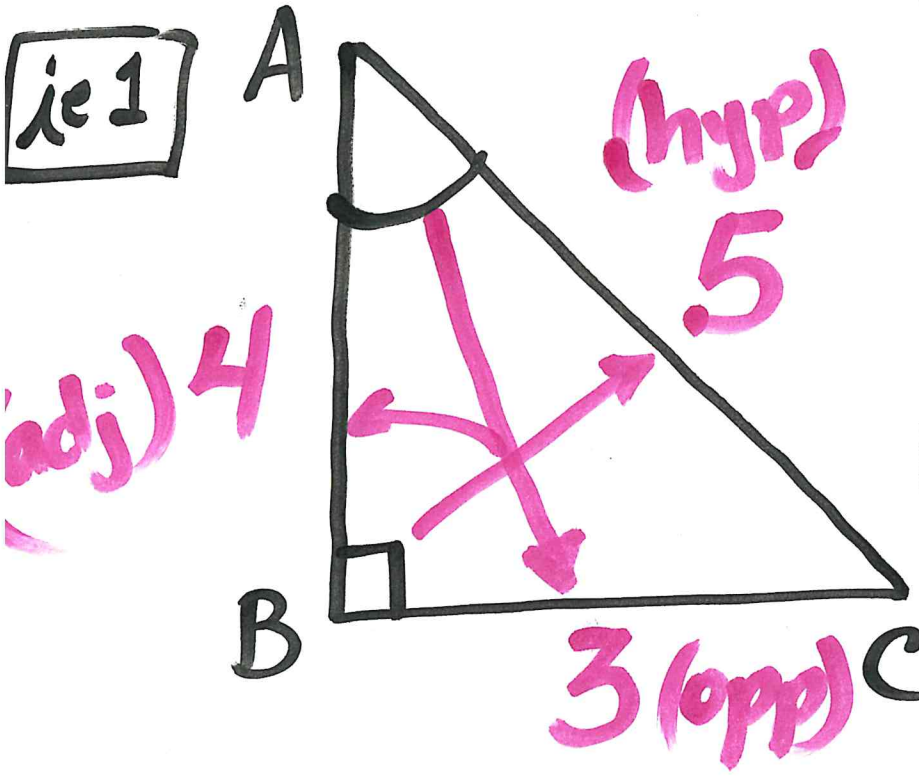
$\angle A$

Set up #2



$\angle C$

Ie 1



Find:

$\sin \angle A$

$\cos \angle A$

$\tan \angle A$

SOH CAH TOA

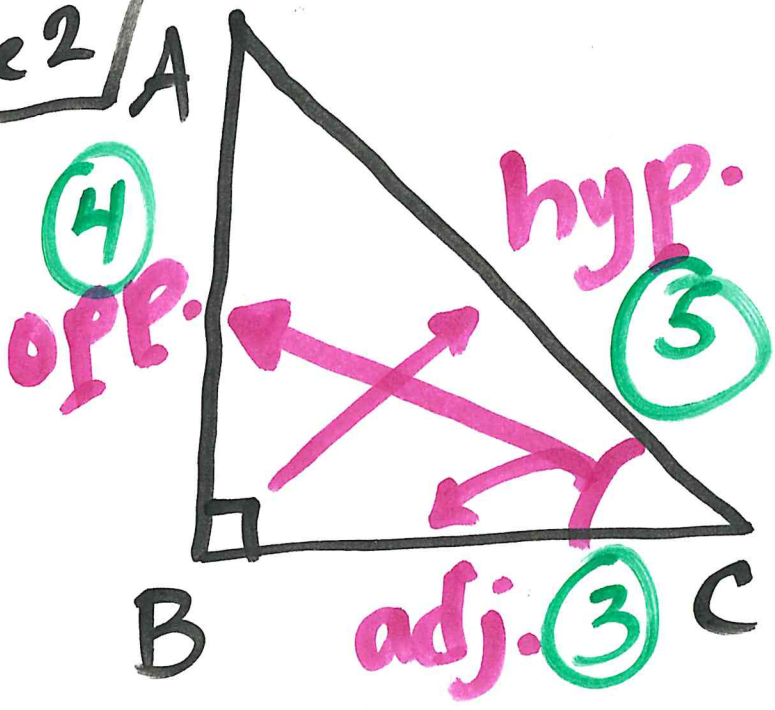
FORMULA

$\sin \angle A = \frac{\text{opposite}}{\text{hypotenuse}} = \frac{3}{5}$

$\cos \angle A = \frac{\text{adjacent}}{\text{hypotenuse}} = \frac{4}{5}$

$\tan \angle A = \frac{\text{opp}}{\text{adj}} = \frac{3}{4}$

ic 2



Find:

$\sin \angle C =$

$\cos \angle C =$

$\tan \angle C =$

SOH CAH TOA

$$\sin \angle C = \frac{O}{H} = \frac{4}{5}$$

$$\cos \angle C = \frac{A}{H} = \frac{3}{5}$$

$$\tan \angle C = \frac{O}{A} = \frac{4}{3}$$

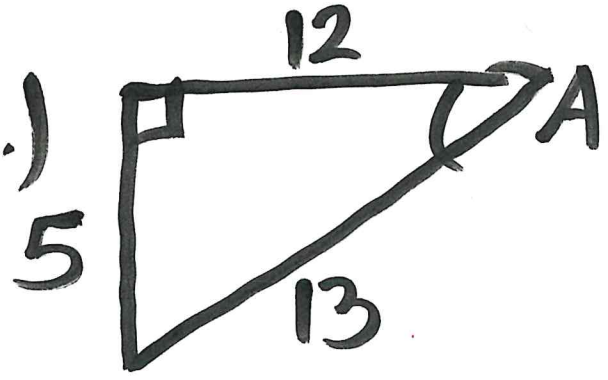
HWK: Lesson 26/27 (#1-2)

(SOH CAH TOA)

NAME: _____

HR: _____

1.)

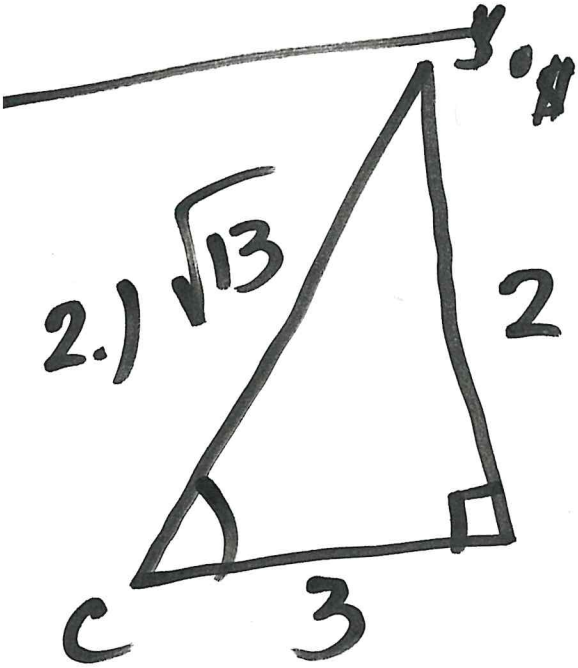


$\sin\angle A = \frac{O}{H} =$ ____

$\cos\angle A = \frac{A}{H} =$ ____

$\tan\angle A = \frac{O}{A} =$ ____

2.)



$\sin\angle C = \frac{O}{H} =$ ____

$\cos\angle C = \frac{A}{H} =$ ____

$\tan\angle C = \frac{O}{A} =$ ____