

Name: _____

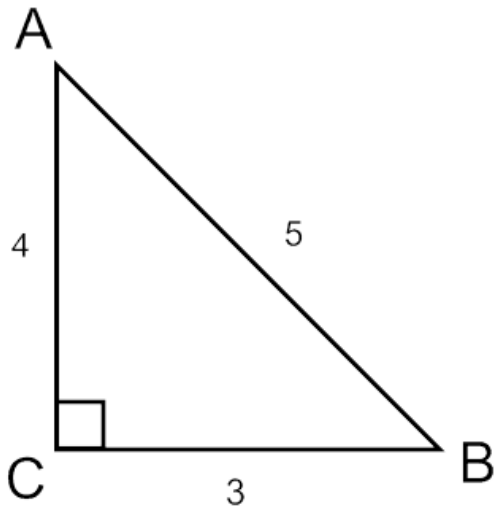
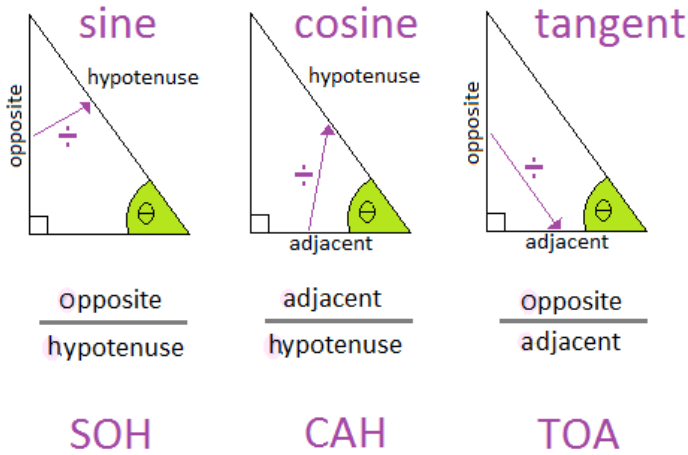
Date: _____

CC GEOMETRY

TROICI

MINI-LESSON#8: TRIGONOMETRY

TOPIC 1: CO-FUNCTIONS



	A	B
<i>sin</i>		
<i>cos</i>		
<i>tan</i>		

$$\sin A = \cos B$$

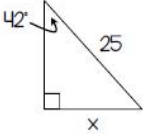
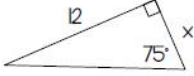
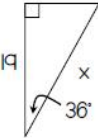
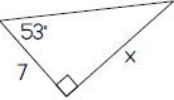
$$\cos A = \sin B$$

- The angles in a triangles sum to _____ degrees
- If angle C is a 90° angle, then A and B must sum to _____ degrees, making A and B _____ angles.
- Sine and Cosine are called _____. Meaning the sine of one acute angle will be equal to the cosine of its complement.

TOPIC 2: FINDING SIDES

STEPS:

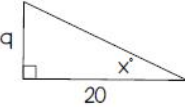
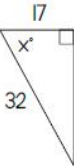
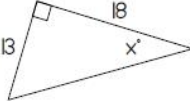
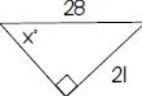
1. Use SOHCAHTOA to determine which trig function you are using.
2. Set up proportion.
3. Cross multiply and solve for x .

EXAMPLE 1 	EXAMPLE 2 
Finding missing SIDES with TRIGONOMETRY	
EXAMPLE 3 	EXAMPLE 4 

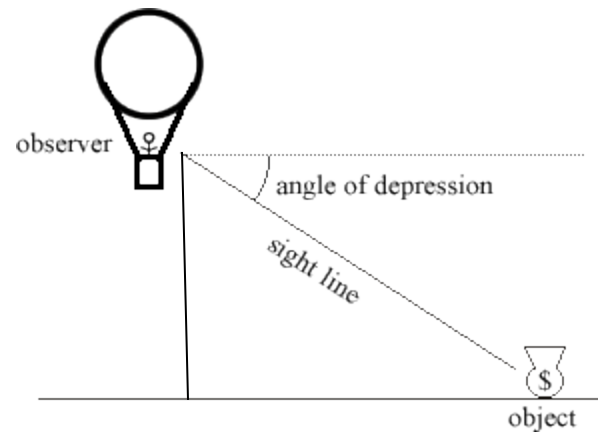
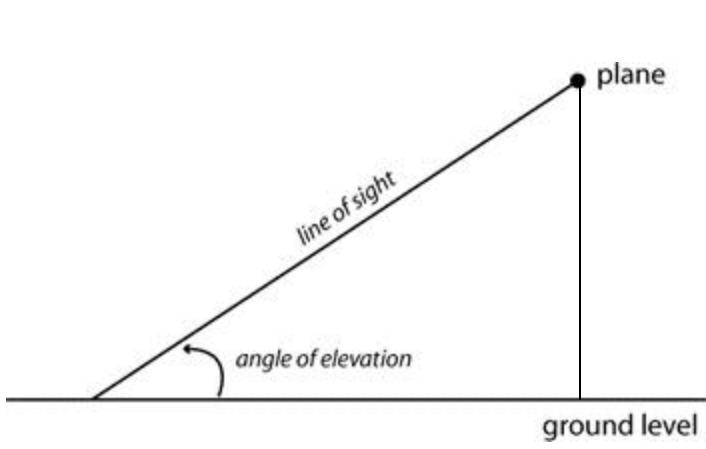
TOPIC 3: FINDING ANGLES

STEPS:

1. Use SOHCAHTOA to determine which trig function you are using.
2. Set up proportion.
3. Using the 2nd button in your calculator, enter the ratio. **DO NOT CROSS MULTIPLY!**

EXAMPLE 1 	EXAMPLE 2 
Finding missing ANGLES with TRIGONOMETRY	
EXAMPLE 3 	EXAMPLE 4 

TOPIC 4: ANGLE OF ELEVATION AND ANGLE OF DEPRESSION



ANGLE OF ELEVATION = ANGLE OF DEPRESSION