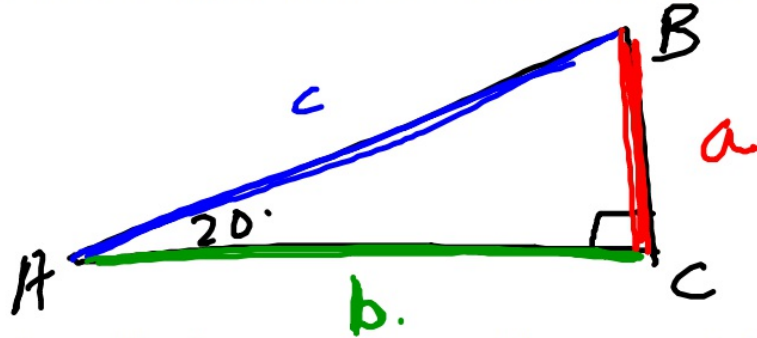


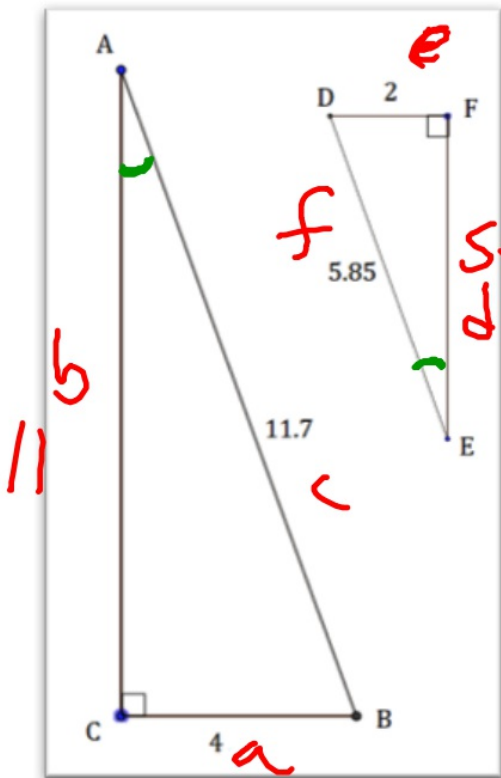
Trigonometry...what is it??

2-3 things you took away from the video

You and your table-mates have different triangles on the front page



Answer questions #1-5, consulting with your neighbors when appropriate.



6. Here are two triangles with no angles marked. First, use the Pythagorean Theorem to find the missing sides.

7. Which angle of each triangle is the smallest? How do you know?

$\angle A, \angle E$

8. Find the following ratios using the smallest angle as the reference.

ΔABC

ΔDEF

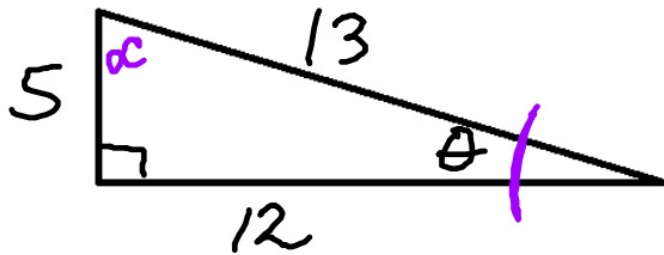
Ratio	Letters	Decimal
$\frac{\text{opposite}}{\text{hypotenuse}}$	a/c	.34
$\frac{\text{adjacent}}{\text{hypotenuse}}$	b/c	.94
$\frac{\text{opposite}}{\text{adjacent}}$	a/b	.36

Ratio	Letters	Decimal
$\frac{\text{opposite}}{\text{hypotenuse}}$	e/f	.34
$\frac{\text{adjacent}}{\text{hypotenuse}}$	d/f	.96
$\frac{\text{opposite}}{\text{adjacent}}$	e/d	.36

9. What patterns do you notice?

10. What can you infer about the angles of each triangle? Explain.

Examples of basic trigonometry (notes)



SOH CAH TOA

What is $\sin \theta$? $\frac{5}{13}$

What is $\frac{12}{13}$? $\cos \theta$

What is $\tan \theta$?
 $\frac{5}{12}$

Kahoot!



Get out a device please

If not, get a laptop

go to

kahoot.it

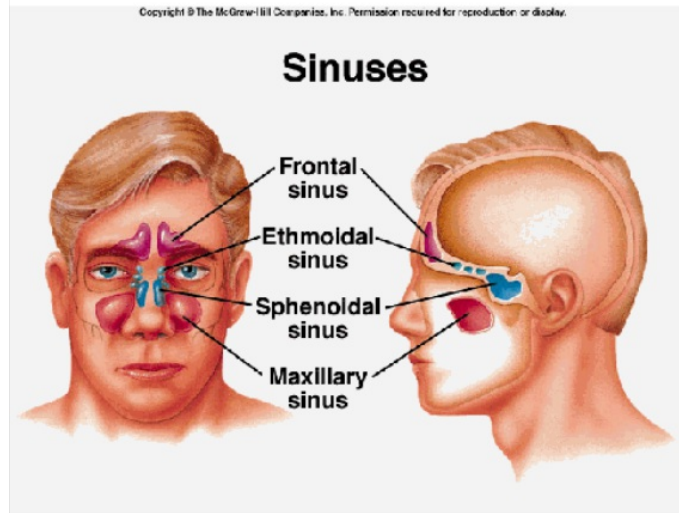
Share with your face partner:

What's one thing that surprised you today?

What's one thing you will remember from today?

A comment:

why is it called "sine"



"opening"

θ

Homework:

p. 311 #11, 13, 14

