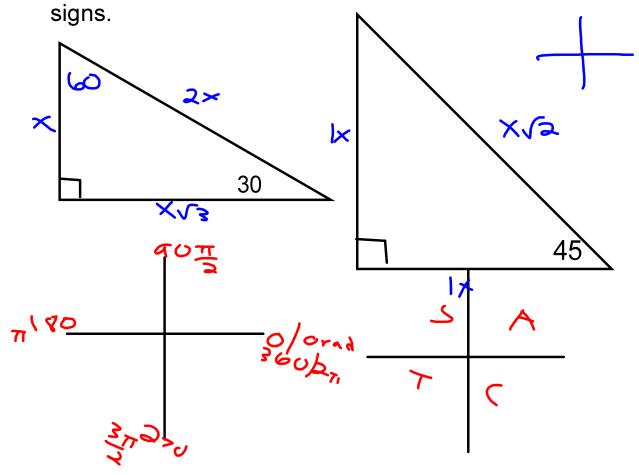
#### Warm Up

\*Trig Table Quiz

-No you cannot use your purple unit circle, but you can draw one of the back of this quiz.

#### Warm-up

1.) Draw the special right triangles, quadrantals, and trig.





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Radian and Degrees on the unit circle

#### Review

1) 
$$sinxcos^2 x-2sinxcosx + sinx=0$$
 $sinx((os^2 x-2(osx+1))=0$ 
 $sinx((osx-1)((osx-1))=0$ 
 $sinx=0(osx-1)((osx-1))=0$ 
 $sinx=0(osx-1)((osx-1)((osx-1))=0$ 
 $sinx=0(osx-1)((osx-1)((osx-1))=0$ 
 $sinx=0(osx-1)((osx-1)((osx-1))=0$ 

(13) 
$$2\sin^2 x + \sin x = 0$$
  
 $\sin x = 0$   $2\sin x + 1 = 0$   
 $\sin x = 0$   $2\sin x + 1 = 0$   
 $\sin x = -1$   
 $\sin x = -1$ 

26) 
$$2\sqrt{3} + anx - 3 + anx (scx = 0)$$

$$+ anx = 0 \qquad 2\sqrt{3} - 3 (scx = 0)$$

$$+ anx = 0 \qquad -2\sqrt{3} \qquad -2\sqrt{3}$$

$$-2\sqrt{3} \qquad -2\sqrt{3}$$

$$-3 (scx = -2\sqrt{3})$$

$$-3 ($$

### **Homework Questions**

\*Solving questions?

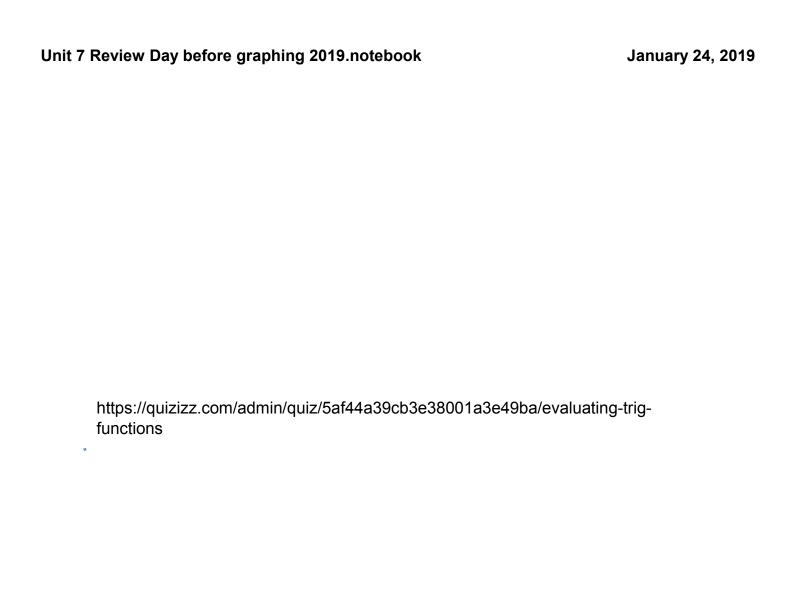
#### **Speed Dating**

9.) 
$$7+\cos(x)=4-5\cos(x)$$
 10.)  $-5-2\cos(x)=-2+\cos(x)$ 

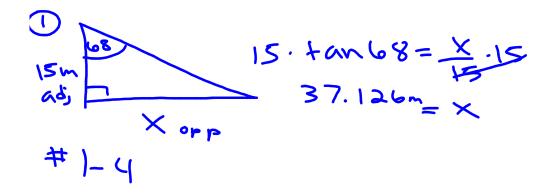
## \*Solving DLT\*

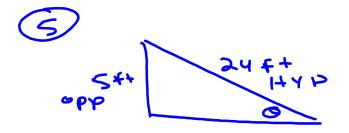
Bonus Which angle is coterminal with an angle of 45°?

A) 90° B) 225° C) 315° D) 405°

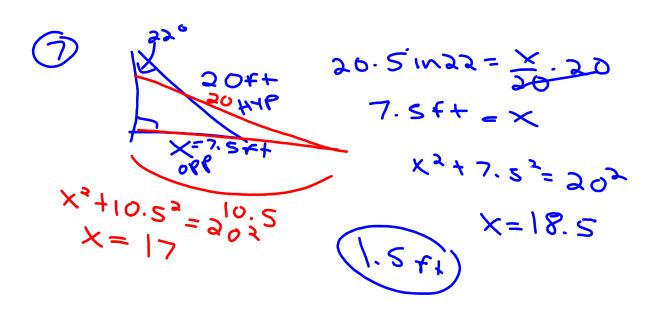


Word Problem WS

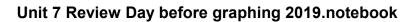




$$5m^{-1}\left(\frac{5}{24}\right) = 12^{\circ}$$



$$y.tan32 = x.y.tan53 = x.y.$$
 $y.tan32 = x.y.tan53 = x.y.$ 
 $y.tan32 = x.y.tan53$ 
 $y.tan33 = x.tan53$ 
 $y.tan33 = x.tan53$ 



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https://quizizz.com/admin/quiz/5c3e20a16383af001b37d9cf/unit-circle-evaluating-trig

a

# Review

1) Easy

Ex:  $2 \cos x - \sqrt{3} = 0$ 



Ex: sinx cosx + sinx=0

3) Squared Trig Function ★ Square Root



Ex:  $4 \sin^2 x - 1 = 0$ 

Creates + -

4) Factorable



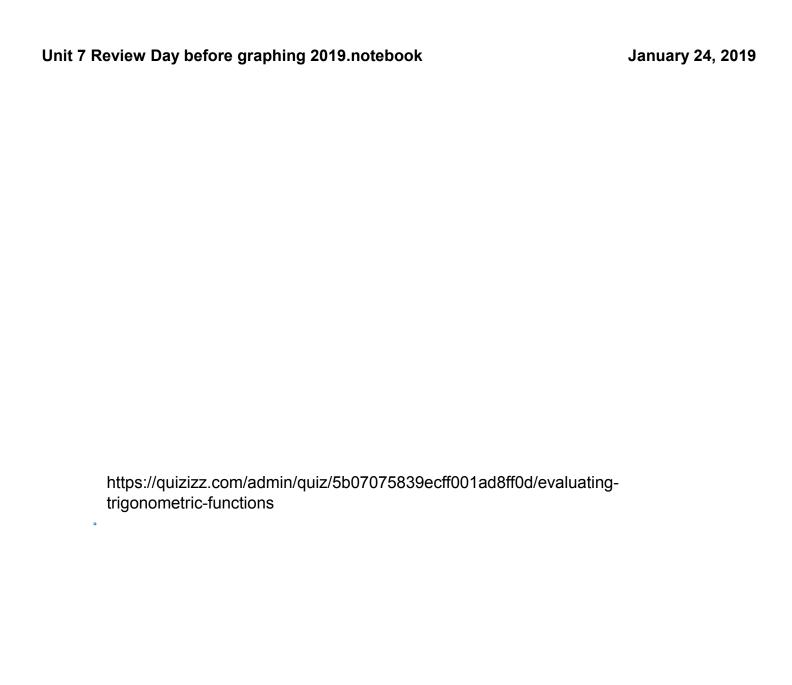
Need two numbers

to add to "b"

Ex:  $\sin^2 x - \sin x - 1 = 0$ 

Ex: 2sin<sup>2</sup> x-sinx-1=0 multiply to "c"

Tactor by Grouping



#### Word Problems

pg 858# 36

pg 871 # 35

#### **Challenge Word Problem**

pg 871# 37

HW:

- -Word Problem ws
- -Review ws