Name: _____ Hour: _____ Date: _____

HONORS Trig Quiz Review

Trig Quiz: Thursday, May 3, 2018

DIRECTIONS: Convert each degree measure to radian measure and each radian measure to degree measure.

1. -300° **2.** 150° **3.** $-\frac{2\pi}{3}$ **4.** $\frac{10\pi}{3}$

DIRECTIONS: Find the measure of an angle between 0° and 360° coterminal with the angle.

5. -100° **6.** 372° **7.** -145°

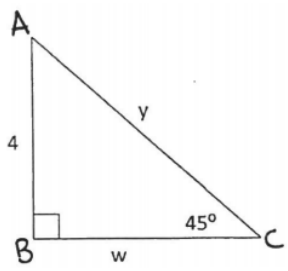
8. -15° **9.** 482° **10.** 421°

DIRECTIONS: Sketch the following angles in standard position.

11. 310° **12.** 140° **13.** -50° **14.** -235°

Determine the values of the missing sides of each triangle. Use these values to state each trig ratio. Reduce if necessary.

15)



$\tan C =$

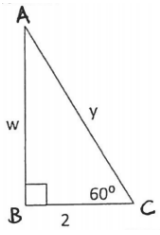
w =

y =

$\sin A =$

$\cos C =$

16)



w =

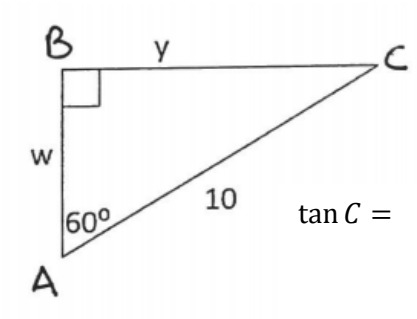
$\tan C =$

y =

$\sin A =$

$\sin C =$

17)



$\tan C =$

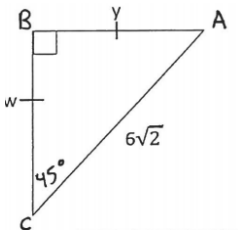
$\sin A =$

w =

y =

$\cos C =$

18)



$\cos A =$

w =

$\tan A =$

y =

$\cos C =$

DIRECTIONS: (a) Sketch each angle in standard position.

(b) Determine the reference angle.

(c) Sketch the reference triangle and correctly label each side.

(d) Find the *exact* value for the sine, cosine, and tangent of the original angle.

19) 210°

20) -300°

21) -135°

22) 30°

23) $\frac{5\pi}{4}$

24) $-\frac{2\pi}{3}$