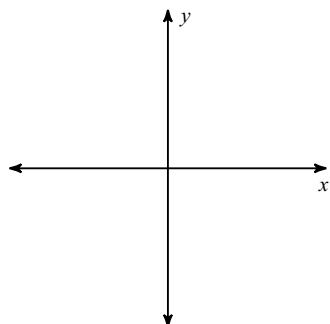


## Unit 3: Intro to Trig Quiz Review (F17)

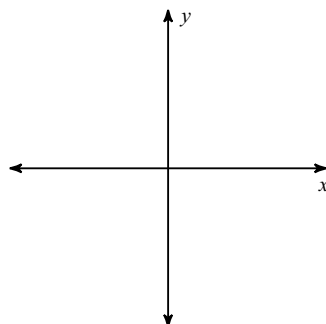
Date \_\_\_\_\_ Period \_\_\_\_\_

**Draw an angle with the given measure in standard position.**

1)  $-430^\circ$



2)  $440^\circ$

**State the quadrant in which the terminal side of each angle lies.**

3)  $-\frac{4\pi}{3}$

4)  $365^\circ$

**Find a positive and a negative coterminal angle for each given angle.**

5)  $250^\circ$

6)  $-\frac{5\pi}{3}$

**Find the reference angle.**

7)  $690^\circ$

8)  $-\frac{15\pi}{4}$

**Convert each decimal degree measure into degrees-minutes-seconds.**

9)  $102.2275^\circ$

10)  $223.24^\circ$

**Convert each degrees-minutes-seconds into decimal degrees.**

11)  $356^{\circ} 18' 45''$

12)  $32^{\circ} 26' 51''$

**Find the complement and supplement**

13)  $43^{\circ}$

14)  $\pi/7$

**Convert each degree measure into radians and each radian measure into degrees.**

15)  $60^{\circ}$

16)  $\frac{7\pi}{4}$

17)  $-\frac{29\pi}{6}$

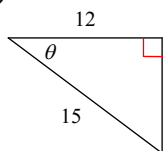
**Find the length of each arc.**

18)  $r = 9 \text{ km}, \theta = \frac{3\pi}{2}$

19)  $r = 15 \text{ cm}, \theta = 210^{\circ}$

**Find the value of the 6 trig functions.**

20)  $\tan \theta$



**Find the value of the other 5 trig functions.**

21) If  $\cos \theta = \frac{\sqrt{10}}{10}$