Name:

August 30, 2017

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Converting Between Degrees and Radians Assignment

Part I Convert to radians in two forms: as a multiple of π and as a decimal approximation rounded to two decimal places.

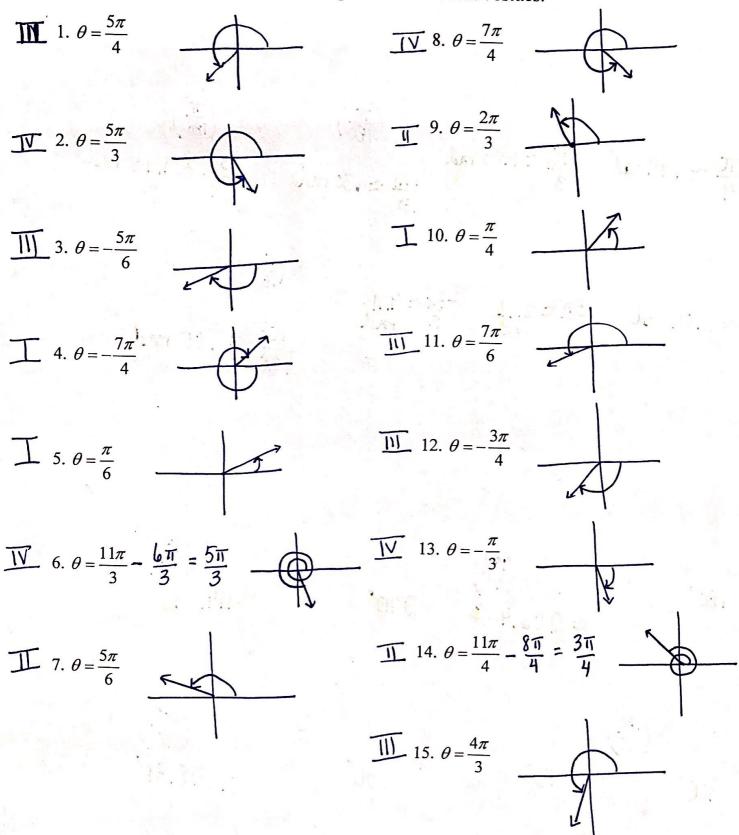
1) 45° 2) 60° 3) 17°
$$(\frac{\pi}{180})$$
 4) 100° $(\frac{\pi}{180})$
 $\frac{\pi}{4} \approx .79 \text{ rad}$ $\frac{\pi}{3} \approx 1.05 \text{ rad}$ $\frac{5\pi}{9} \approx 1.75 \text{ rad}$
5) 120° 6) 150° 7)-270° 8) $\pi^{\circ} (\frac{\pi}{180})$
 $\frac{2\pi}{3} \approx 2.09 \text{ rad}$ $\frac{5\pi}{5\pi} \approx 2.62$ $-\frac{2\pi}{3\pi} \approx 4.71$
 $\frac{7\pi}{2} \approx .05 \text{ rad}$ $\frac{\pi}{180}$

Part II Convert to degrees. Approximate to two decimal places.

9)
$$\pi$$
 rad
10) $5 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 π rad
11) $\frac{3}{2}\pi$ rad
12) $2 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 $\approx 2.86.48^{\circ}$
 270°
 $\approx 114.59^{\circ}$
13) 5π rad $\left(\frac{180}{\pi}\right)$
14) $-\frac{\pi}{4}$ rad
15) $\frac{7}{2}\pi$ rad $\left(\frac{180}{\pi}\right)$
16) $45 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 $45 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 $45 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 $45 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 $45 \operatorname{rad}\left(\frac{180}{\pi}\right)$
 2578.31°

Name the Quadrant!

State the quadrant in which each angle's terminal side resides.



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