



Finding Degrees

Name _____

Score _____

QA:II:14

Example: Convert $\frac{5\pi}{3}$ radians to degrees.

$$\text{Degrees} = \text{Radians} \times \frac{180}{\pi}$$

$$\text{Degrees} = \frac{5\pi}{3} \times \frac{180}{\pi}$$

$$\text{Degrees} = 300^\circ$$

Convert each radian measure to the degree measure.

1) $\frac{29\pi}{18}$

_____ °

2) $-\frac{5\pi}{4}$

_____ °

3) $-\frac{7\pi}{2}$

_____ °

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

_____ °

5) $\frac{27\pi}{45}$

_____ °

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

_____ °



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Answer key

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$$\text{Degrees} = \frac{5\pi}{3} \times \frac{180}{\pi}$$

$$\text{Degrees} = 300^\circ$$

Convert each radian measure to the degree measure.

1) $\frac{29\pi}{18}$

290 °

2) $-\frac{5\pi}{4}$

-225 °

3) $-\frac{7\pi}{2}$

-630 °

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

-150 °

5) $\frac{27\pi}{45}$

108 °

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

60 °