Name _____

Score _____

QA:14

Radians To Degrees

Example: Convert $\frac{7\pi}{9}$ radians to degrees.

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

$$\text{Degrees} = \frac{7\pi}{9} \times \frac{180}{\pi}$$

Degrees = 140^{o}

Convert each radian measure to the degree measure.

1) $-\frac{5\pi}{6}$ = _____ degrees

2) $\frac{\pi}{3}$ = _____ degrees

3) $\frac{22\pi}{45}$ = _____ degrees

4) π = _____ degrees

5) $-\frac{5\pi}{4}$ = _____ degrees

6) $-\frac{7\pi}{2}$ = _____ degrees

7) $\frac{27\pi}{45}$ = _____ degrees

8) $\frac{29\pi}{18}$ = _____ degrees

Name _____

Score _____

Radians To Degrees

QA:14

Answer key

Example: Convert $\frac{7\pi}{9}$ radians to degrees.

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

$$\text{Degrees} = \frac{7\pi}{9} \times \frac{180}{\pi}$$

Degrees = 140^{o}

Convert each radian measure to the degree measure.

1) $-\frac{5\pi}{6}$ = **–150** degrees

2) $\frac{\pi}{3}$ = **60** degrees

3) $\frac{22\pi}{45}$ = **88** degrees

4) π = **180** degrees

5) $-\frac{5\pi}{4}$ = **–225** degrees

6) $-\frac{7\pi}{2}$ = **–630** degrees

7) $\frac{27\pi}{45}$ = **108** degrees

8) $\frac{29\pi}{18}$ = **290** degrees