Name _____

Score _____

QA:13

Radians To Degrees

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

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

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

Degrees = 60^{o}

Convert each radian measure to the degree measure.

1) $\frac{7\pi}{4}$ = _____ degrees

2) $\frac{11\pi}{90}$ = _____ degrees

3) $-\frac{55\pi}{36}$ = _____ degrees

4) $\frac{10\pi}{9}$ = _____ degrees

5) -2π = _____ degrees

6) $\frac{27\pi}{90}$ = _____ degrees

7) $\frac{\pi}{20}$ = _____ degrees

8) $\frac{29\pi}{9}$ = _____ degrees

Name _____

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QA:13

Radians To Degrees

Answer key

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

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

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

Degrees = 60^{o}

Convert each radian measure to the degree measure.

1) $\frac{7\pi}{4}$ = **315** degrees

2) $\frac{11\pi}{90}$ = **22** degrees

3) $-\frac{55\pi}{36}$ = **–165** degrees

4) $\frac{10\pi}{9}$ = **200** degrees

5) -2π = **–360** degrees

6) $\frac{27\pi}{90}$ = **54** degrees

7) $\frac{\pi}{20}$ = **9** degrees

8) $\frac{29\pi}{9}$ = **–580** degrees