Radians To Degrees

Name _____

Score _____

QA:15

Example: Convert $-\frac{\pi}{12}$ radians to degrees.

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

$$\text{Degrees} = -\frac{\pi}{12} \times \frac{180}{\pi}$$

Degrees = -15^{o}

Convert each radian measure to the degree measure.

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

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

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

4) $\frac{2\pi}{5}$ = _____ degrees

5) $\frac{19\pi}{6}$ = _____ degrees

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

7) $\frac{11\pi}{10}$ = _____ degrees

8) $\frac{13\pi}{20}$ = _____ degrees

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Answer key

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Example: Convert $-\frac{\pi}{12}$ radians to degrees.

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

$$\text{Degrees} = -\frac{\pi}{12} \times \frac{180}{\pi}$$

Degrees = -15^{o}

Convert each radian measure to the degree measure.

1) $\frac{8\pi}{9}$ = **160** degrees

2) $-\frac{3\pi}{2}$ = **–270** degrees

3) $-\frac{\pi}{45}$ = **–4** degrees

4) $\frac{2\pi}{5}$ = **72** degrees

5) $\frac{19\pi}{6}$ = **570** degrees

6) $-\frac{\pi}{4}$ = **–45** degrees

7) $\frac{11\pi}{10}$ = **198** degrees

8) $\frac{13\pi}{20}$ = **117** degrees