



Finding Degrees

Name _____

Score _____

QA:II:15

Example: Convert $\frac{33\pi}{20}$ radians to degrees.

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

$$\text{Degrees} = \frac{33\pi}{20} \times \frac{180}{\pi}$$

$$\text{Degrees} = 297^\circ$$

Convert each radian measure to the degree measure.

1) $-\frac{29\pi}{9}$

_____ °

2) $\frac{27\pi}{90}$

_____ °

3) $\frac{11\pi}{90}$

_____ °

4) -2π

_____ °

5) $\frac{7\pi}{4}$

_____ °

6) $-\frac{55\pi}{36}$

_____ °



Finding Degrees

Name _____

Score _____

Answer key

QA:II:15

Example: Convert $\frac{33\pi}{20}$ radians to degrees.

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

$$\text{Degrees} = \frac{33\pi}{20} \times \frac{180}{\pi}$$

$$\text{Degrees} = 297^\circ$$

Convert each radian measure to the degree measure.

1) $-\frac{29\pi}{9}$

 -580 °

2) $\frac{27\pi}{90}$

 54 °

3) $\frac{11\pi}{90}$

 22 °

4) -2π

 -360 °

5) $\frac{7\pi}{4}$

 315 °

6) $-\frac{55\pi}{36}$

 -165 °