



DEGREES TO RADIANS

Name _____

Score _____

QA:12

Example: Convert 45° to radians.

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

$$\text{Radians} = 45 \times \frac{\pi}{180}$$

$$\text{Radians} = \frac{\pi}{4}$$

Convert each degree measure to the radian measure.

1) $765^\circ =$ _____ radians

2) $170^\circ =$ _____ radians

3) $-195^\circ =$ _____ radians

4) $-28^\circ =$ _____ radians

5) $-300^\circ =$ _____ radians

6) $75^\circ =$ _____ radians

7) $130^\circ =$ _____ radians

8) $405^\circ =$ _____ radians



DEGREES TO RADIANS

Name _____

Score _____

Answer key

QA:12

Example: Convert 45° to radians.

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

$$\text{Radians} = 45 \times \frac{\pi}{180}$$

$$\text{Radians} = \frac{\pi}{4}$$

Convert each degree measure to the radian measure.

1) $765^\circ = \underline{\frac{17\pi}{4}}$ radians

2) $170^\circ = \underline{\frac{17\pi}{18}}$ radians

3) $-195^\circ = \underline{-\frac{13\pi}{12}}$ radians

4) $-28^\circ = \underline{-\frac{7\pi}{45}}$ radians

5) $-300^\circ = \underline{-\frac{5\pi}{3}}$ radians

6) $75^\circ = \underline{\frac{17\pi}{36}}$ radians

7) $130^\circ = \underline{\frac{13\pi}{18}}$ radians

8) $405^\circ = \underline{\frac{9\pi}{4}}$ radians