



DEGREES TO RADIANS

Name _____

Score _____

QA:10

Example: Convert 90° to radians.

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

$$\text{Radians} = 90 \times \frac{\pi}{180}$$

$$\text{Radians} = \frac{\pi}{2}$$

Convert each degree measure to the radian measure.

1) $-256^\circ =$ _____ radians

2) $150^\circ =$ _____ radians

3) $33^\circ =$ _____ radians

4) $135^\circ =$ _____ radians

5) $-110^\circ =$ _____ radians

6) $690^\circ =$ _____ radians

7) $200^\circ =$ _____ radians

8) $-148^\circ =$ _____ radians



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Answer key

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Example: Convert 90° to radians.

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

$$\text{Radians} = 90 \times \frac{\pi}{180}$$

$$\text{Radians} = \frac{\pi}{2}$$

Convert each degree measure to the radian measure.

1) $-256^\circ = \underline{-\frac{64\pi}{45}}$ radians

2) $150^\circ = \underline{\frac{5\pi}{6}}$ radians

3) $33^\circ = \underline{\frac{11\pi}{60}}$ radians

4) $135^\circ = \underline{\frac{3\pi}{4}}$ radians

5) $-110^\circ = \underline{-\frac{11\pi}{18}}$ radians

6) $690^\circ = \underline{\frac{23\pi}{6}}$ radians

7) $200^\circ = \underline{\frac{10\pi}{9}}$ radians

8) $-148^\circ = \underline{-\frac{37\pi}{45}}$ radians