

Converting Radians to Degrees

Convert the following angles in degrees to radians

Example: Convert 120° to radians

$$120^\circ \times \frac{\pi}{180} = \frac{2\pi}{3} = 2.09 \text{ radians}$$

1. 70°

6. 180°

2. 57.3°

7. 260°

3. 320°

8. 30°

4. 200°

9. 15°

5. 720°

10. 60°

Convert the following angles in radians to degrees.

Example: Convert 3 radians to degrees

$$3 \text{ radians} \times \frac{180}{\pi} = \frac{540}{\pi} = 171.89^\circ$$

1. 1 radian

6. 6 radians

2. 2 radians

7. 2 π radians

3. π radians

8. ¼ π radian

4. 4 radians

9. $\frac{1}{3} \pi$ radian

5. 5 radians

10. ½ π radian

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Chapter 3: Two Dimensional Motion