

# Negative Angle Calculation

## Multiple Choice Questions (MCQs) on Trigonometric Functions of Negative Angles Above 360 Degrees

1. What is the value of  $\sin(-390^\circ)$ ?
  - A) 1
  - B)  $-\frac{1}{2}$
  - C) -1
  - D)  $\frac{1}{2}$
2. What is the value of  $\cos(-450^\circ)$ ?
  - A) 0
  - B) 1
  - C) -1
  - D)  $\frac{1}{\sqrt{2}}$
3. What is the value of  $\tan(-720^\circ)$ ?
  - A) 0
  - B) 1
  - C) Undefined
  - D)  $\sqrt{3}$
4. What is the value of  $\sin(-810^\circ)$ ?
  - A) 1
  - B) -1
  - C) 0
  - D)  $-\frac{1}{\sqrt{2}}$
5. What is the value of  $\cos(-1080^\circ)$ ?
  - A) 1
  - B) 0
  - C) -1
  - D)  $\frac{1}{2}$
6. What is the value of  $\tan(-1170^\circ)$ ?
  - A)  $\sqrt{3}$
  - B) 1
  - C)  $-\sqrt{3}$
  - D) 0
7. What is the value of  $\sin(-1440^\circ)$ ?
  - A) 0
  - B) 1
  - C) -1
  - D)  $\frac{\sqrt{3}}{2}$
8. What is the value of  $\cos(-1530^\circ)$ ?
  - A)  $-\frac{1}{2}$
  - B)  $\frac{1}{2}$

- C)  $-\frac{\sqrt{3}}{2}$
- D)  $\frac{\sqrt{3}}{2}$

9. What is the value of  $\tan(-1800^\circ)$ ?

- A) 1
- B) 0
- C) Undefined
- D)  $\sqrt{3}$

10. What is the value of  $\sin(-1890^\circ)$ ?

- A)  $-\frac{1}{2}$
- B)  $\frac{\sqrt{3}}{2}$
- C) -1
- D) 0

11. What is the value of  $\cos(-2160^\circ)$ ?

- A) 1
- B) 0
- C) -1
- D)  $\frac{1}{2}$

12. What is the value of  $\tan(-2250^\circ)$ ?

- A) 1
- B) -1
- C) 0
- D)  $\sqrt{3}$

13. What is the value of  $\sin(-2520^\circ)$ ?

- A) 0
- B) 1
- C) -1
- D)  $\frac{1}{\sqrt{2}}$

14. What is the value of  $\cos(-2610^\circ)$ ?

- A) 0
- B) 1
- C) -1
- D)  $\frac{\sqrt{2}}{2}$

15. What is the value of  $\tan(-2880^\circ)$ ?

- A) 0
- B)  $\sqrt{3}$
- C) Undefined
- D) 1

### Answer Key

- 1. D)  $\frac{1}{2}$
- 2. C) -1
- 3. A) 0
- 4. B) -1
- 5. A) 1
- 6. C)  $-\sqrt{3}$
- 7. A) 0
- 8. A)  $-\frac{1}{2}$

- 9. B) 0
- 10. A)  $-\frac{1}{2}$
- 11. A) 1
- 12. B) -1
- 13. C) -1
- 14. C) -1
- 15. A) 0

