

Trigonometry Worksheet – 2

1. Sin 0° is equal to _____.

- a) 1
- c) 0

- b) $\frac{1}{2}$
- d) -1

2. Cos 0° is equal to _____.

- a) 1
- c) 0

- b) $\frac{1}{\sqrt{2}}$
- d) $\frac{1}{2}$

3. Sin 30° is equal to _____.

- a) $\frac{1}{3}$
- c) $\frac{1}{2}$

- b) 1
- d) $\frac{\sqrt{3}}{2}$

4. Sin 60° is equal to _____.

- a) 1
- c) 0

- b) $\frac{1}{\sqrt{2}}$
- d) $\frac{\sqrt{3}}{2}$

5. Cos 30° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) None of these

6. Cos 60° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) 0

7. Sin 90° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) 1

8. Cos 90° is equal to _____.

- a) 1
- c) 0

- b) $\frac{1}{2}$
- d) -1

9. Tan 45° is equal to _____.

- a) 1
- c) 0

- b) $\frac{1}{2}$
- d) -1

10. Sin 45° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) 1

11. Cot 45° is equal to _____.

- a) 0
- c) 1

- b) -1
- d) None of these

12. Tan 30° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) $\frac{1}{\sqrt{3}}$

13. Cot 30° is equal to _____.

- a) $\sqrt{3}$
- c) $\frac{1}{\sqrt{3}}$

- b) 2
- d) $\frac{\sqrt{3}}{2}$

14. Sec 45° is equal to _____.

- a) $\sqrt{3}$
- c) $\frac{1}{\sqrt{3}}$

- b) $\sqrt{2}$
- d) $\frac{\sqrt{3}}{2}$

15. Cot 60° is equal to _____.

- a) $\frac{1}{2}$
- c) $\frac{1}{\sqrt{2}}$

- b) $\frac{\sqrt{3}}{2}$
- d) $\frac{1}{\sqrt{3}}$

16. Tan 60° is equal to _____.

- a) $\sqrt{3}$
- c) $\frac{1}{\sqrt{3}}$

- b) 2
- d) $\frac{\sqrt{3}}{2}$

17. Cot 90° is equal to _____.

- a) $\sqrt{3}$

- b) 0

c) $\frac{1}{\sqrt{2}}$

d) 1

18. $\tan 90^\circ$ is equal to _____.

a) $\sqrt{3}$

b) $\sqrt{2}$

c) $\frac{1}{\sqrt{2}}$

d) Not defined

19. $\operatorname{cosec} 90^\circ$ is equal to _____.

a) 1

b) 0

c) $\frac{1}{\sqrt{2}}$

d) Not defined

20. The value of $\tan 45^\circ + \cot 45^\circ =$ _____.

a) $\frac{1}{\sqrt{2}}$

b) $\frac{3}{\sqrt{2}}$

c) 2

d) 1