Task card 1 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}\left(\frac{\sqrt{3}}{3}\right)$ in degrees.

Task card 2 Inverse Trigonometric Functions

Find the exact value of $\cos^{-1}(0)$ in degrees.

Task card 3 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}(1)$ in degrees.

Task card 4 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}(0)$ in degrees.

Task card 5 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}\left(\frac{1}{2}\right)$ in degrees.

Task card 6 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}(1)$ in degrees.

Task card 7 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}(0)$ in degrees.

Task card 8 Inverse Trigonometric Functions

Find the exact value of $\cos^{-1}(1)$ in degrees.

Task card 9 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}(\sqrt{3})$ in degrees.

Task card 10 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}\left(\frac{\sqrt{2}}{2}\right)$ in degrees.

Task card 11 Inverse Trigonometric Functions

Find the exact value of $\cos^{-1}\left(\frac{\sqrt{3}}{2}\right)$ in degrees.

Task card 12 Inverse Trigonometric Functions

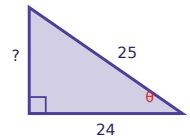
Find the exact value of $\cos^{-1}\left(\frac{1}{2}\right)$ in degrees.

Task card 13 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}(-\frac{\sqrt{3}}{3})$ in degrees.

Task card 14 Inverse Trigonometric Functions

Find the exact value of $\sin(\cos^{-1}(\frac{24}{25}))$.

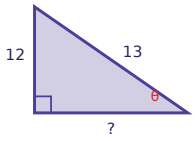


Task card 15 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}(-\frac{1}{2})$ in degrees.

Task card 16 Inverse Trigonometric Functions

Find the exact value of $\tan(\sin^{-1}(\frac{12}{13}))$.



Task card 17 Inverse Trigonometric Functions

Find the exact value of $\cos^{-1}(-\frac{1}{2})$ in degrees.

Task card 18 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}(\frac{\sqrt{3}}{2})$ in degrees.

Task card 19 Inverse Trigonometric Functions

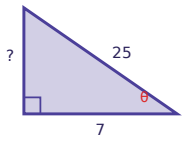
Find the exact value of $\cos^{-1}(-\frac{\sqrt{3}}{2})$ in degrees.

Task card 20 Inverse Trigonometric Functions

Find the exact value of $\sin^{-1}(-1)$ in degrees.

Task card 21 Inverse Trigonometric Functions

Find the exact value of $\sin(\cos^{-1}(\frac{7}{25}))$.

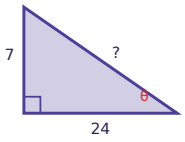


Task card 22 Inverse Trigonometric Functions

Find the exact value of $\tan^{-1}(-1)$ in degrees.

Task card 23 Inverse Trigonometric Functions

Find the exact value of $\cos(\tan^{-1}(\frac{7}{24}))$.



Task card 24 Inverse Trigonometric Functions

Find the exact value of $\cos^{-1}(-\frac{\sqrt{2}}{2})$ in degrees.

Inverse Trigonometric Functions Task Cards

Recording sheet · Grade 12 · Give angles in degrees using the principal range: sin^-1 and tan^-1 from -90° to 90°, cos^-1 from 0° to 180°. Give other answers as exact fractions.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Inverse Trigonometric Functions Task Cards: Answer Key

Grade 12 · Easy

The answers online

1. 30°	**2.** 90°	**3.** 45°
4. 0°	**5.** 30°	**6.** 90°
7. 0°	**8.** 0°	**9.** 60°
10. 45°	**11.** 30°	**12.** 60°
13. -30°	**14.** $\frac{7}{25}$	**15.** -30°
16. $\frac{12}{5}$	**17.** 120°	**18.** 60°
19. 150°	**20.** -90°	**21.** $\frac{24}{25}$
22. -45°	**23.** $\frac{24}{25}$	**24.** 135°