TRIGONOMETRIC EQUATIONS AND IDENTITIES - PRACTICE TEST | NEW BRUNSWICK PRE-CALCULUS A 120 · UNIT E · 10 QUESTIONS

Trigonometric Equations and Identities — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The value of $1 + \tan^2(30°)$, which = $\sec^2(30°)$, to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The value of $1 + \tan^2(45°)$, which = $\sec^2(45°)$, to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The value of $1 + \tan^2(60°)$, which = $\sec^2(60°)$, to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The value of 1 + tan²(120°), which = sec²(120°), to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The value of 1 + tan²(135°), which = sec²(135°), to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The value of 1 + tan²(150°), which = sec²(150°), to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The value of cos of -30 degrees to three decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The value of cos of -60 degrees to three decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The value of cos of -45 degrees to three decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The value of cos of -120 degrees to three decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	1.33	**5.**	2.00	**9.**	0.707
2.	2.00	**6.**	1.33	**10.**	-0.5
3.	4.00	**7.**	0.866		
4.	4.00	**8.**	0.5		

© 2026 Brett Robbins. All Rights Reserved.