NEWFOUNDLAND AND LABRADOR MATHEMATICS 3200 · UNIT C

Trigonometry — Practice Test

Newfoundland and Labrador Mathematics 3200 • 10 questions

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 period of y = sin(2x) is**

- **A** π
- **B** 2π
- **C** π/2
- **D** π/3

Understand It with Pulse | Flag a mistake

2 **The reference angle for 210° is, in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The midline of y = 2 cos x - 2 is**

- A y = 2
- B y = -2
- C y = 0
- D y = 1

Understand It with Pulse | Flag a mistake

4 **The phase shift of y = cos(x + π/4) is**

- A right by π/4
- B left by π
- C down by π/4
- D left by π/4

Understand It with Pulse | Flag a mistake

5 **The phase shift of $y = \sin(x - \pi/3)$ is**

- A left by $\pi/3$
- B right by π
- C right by $\pi/3$
- D up by $\pi/3$

Understand It with Pulse | Flag a mistake

6 **The period of $y = \sin(4x)$ is**

- A 2π
- B $\pi/2$
- C π
- D $\pi/4$

Understand It with Pulse | Flag a mistake

7 **The reference angle for 330° is, in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The midline of y = 2 cos x + 3 is**

A y = 2

B y = 0

C y = 3

D y = 1

Understand It with Pulse | Flag a mistake

9 The period of y = sin(3x) is

- A 2π
- B π
- C 2π/3
- D π/3

Understand It with Pulse | Flag a mistake

10 The reference angle for 150° is, in degrees

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**5.**	C	**9.**	C
2.	30	**6.**	B	**10.**	30
3.	B	**7.**	30		
4.	D	**8.**	C		

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