ONTARIO FUNCTIONS, GRADE 11, UNIVERSITY PREPARATION (MCR3U) · UNIT C · 5 QUESTIONS

Trigonometric Functions — 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 **A wooden extension ladder leans at a steep angle against a plain white house wall. An angle of 90° in radians is**



A 1π/2

B π

C π/2

D 2π

Understand It with Pulse | Flag a mistake

2 **Angle A is acute, the opposite side has length 20 and the adjacent side has length 21 The value of tan A is**

- A 21
- B 20
- C 20
- D 21

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3 **The amplitude of y = 5 sin x is**

- A 6
- B 4
- C 5
- D 1

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4 The period, in degrees, of y = sin x is

- A 420
- B 360
- C 180
- D 371

Understand It with Pulse | Flag a mistake

5 The phase shift, in degrees, of y = sin(x - 30°) is

- A 60
- B 30
- C 15
- D 0

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ANSWER KEY

1. A
2. C
3. C
4. B
5. B

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