BRITISH COLUMBIA PRE-CALCULUS 12 (MPREC12) · UNIT C · 5 QUESTIONS

Trigonometric Functions 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 amplitude of $y = 5 \cos x$ is**

- A 5
- B 1
- C 2π
- D 10

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

- **A** π
- **B** 2π
- **C** $\frac{\pi}{2}$
- **D** 4π

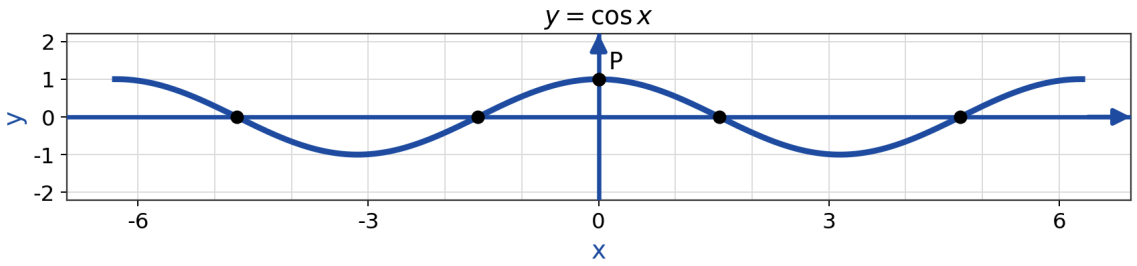
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3 The phase shift of $y = \cos\left(x + \frac{\pi}{4}\right)$ is

- **A** right by $\frac{\pi}{4}$
- **B** left by $\frac{\pi}{4}$
- **C** left by π
- **D** up by $\frac{\pi}{4}$

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4 **The graph shows y = cos x, with point P at x = 0. The value at P is**



A 1

B 0

C -1

D 2

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5 The exact value of $\sin \frac{\pi}{3}$ is

A $\frac{\sqrt{3}}{2}$

B $\frac{1}{2}$

C 1

D $\frac{\sqrt{2}}{2}$

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ANSWER KEY

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

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