Grade 12 GEN

Lesson 9-4
Graphing Sine and Cosine Functions

Mathematics

Module-8- 2025-2026

وزارة التربية و التعليم

Term-3

Trigonometric Functions

AL-QUDRA SCHOOL

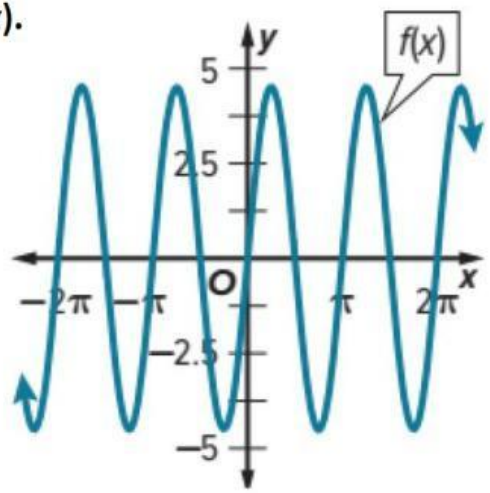
MR Rachid K

1. Identify the amplitude, midline, and period of $f(x)$.

The amplitude is ☐

The midline is at $y =$ ☐

The period is ☐

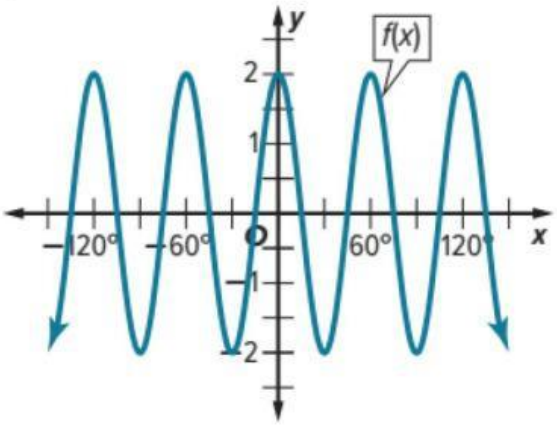


2. Identify the amplitude, midline, and period of $f(x)$.

The amplitude is ☐

The midline is at $y =$ ☐

The period is ☐

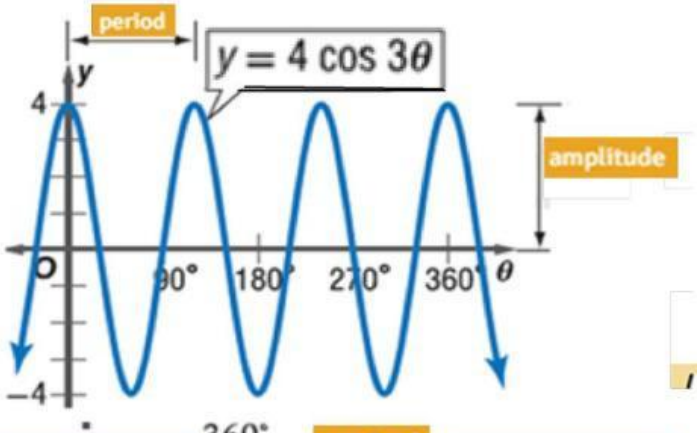


3. Identify the amplitude, midline, and period of $f(x)$.

The amplitude is ☐

The midline is at $y =$ ☐

The period is ☐



$$\frac{360^\circ}{|b|} = \text{period}$$

K-RACHID

تعلم

LIVEWORKSHEETS

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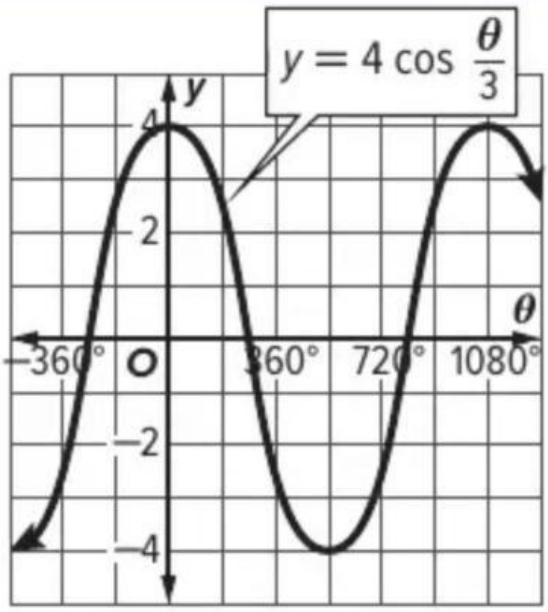
4. Identify the amplitude, midline, and period of $f(x)$.



The amplitude is ☐

The midline is at $y =$ ☐

The period is ☐

5. Identify the amplitude and period of

a. $y = \cos \frac{1}{2}\theta$

amplitude ☐

period ☐

b. $y = 3 \sin 5\theta$

amplitude ☐

period ☐

c. $f(x) = 7 \sin 8x$

amplitude ☐

period ☐

d. $y = -0.5 \sin 2x$

amplitude ☐

period ☐

LIVEWORKSHEETS