

Handwritten notes and graphs illustrating trigonometric functions and their properties.

Graph 1 (Top Left): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \cos(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Graph 2 (Top Right): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \sin(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Graph 3 (Middle Left): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \cos(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Graph 4 (Middle Right): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \sin(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Graph 5 (Bottom Left): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \cos(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Graph 6 (Bottom Right): A sine wave with amplitude 4 and period 2π . The equation is $y = 4 \sin(x)$. The graph shows the function oscillating between $y = 4$ and $y = -4$.

Handwritten Notes:

- Amplitude: The maximum displacement from the equilibrium position.
- Period: The length of one complete cycle of the function.
- Midline: The horizontal line that represents the average value of the function.
- Phase Shift: The horizontal shift of the function from its standard position.