

Worksheet Section 4.5 Day 3 Writing Equations from Sine and Cosine Graphs

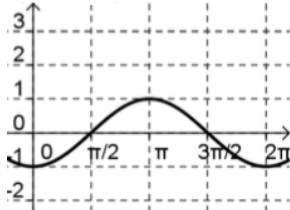
Write a function with the given amplitude, period, phase shift, and vertical shift.

1. sine function: amplitude = 15, period = 4π , phase shift = $\pi/2$, vertical shift = -10

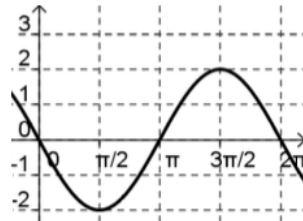
2. cosine function: amplitude = 0.5, period = $\pi/3$, phase shift = $-\pi/3$, vertical shift = 5

Write an equation for both sine and cosine for each graph below. Note: Some answers may vary.

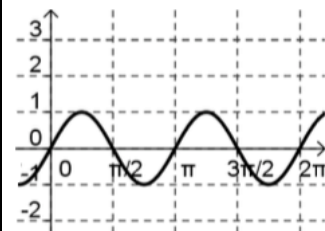
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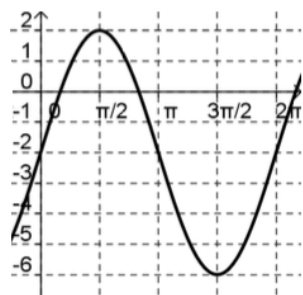
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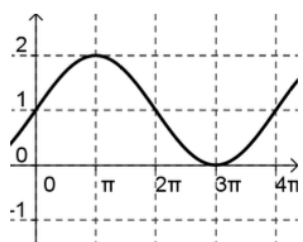
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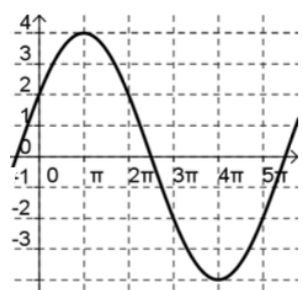
6.



7.



8.



9.

