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Date:



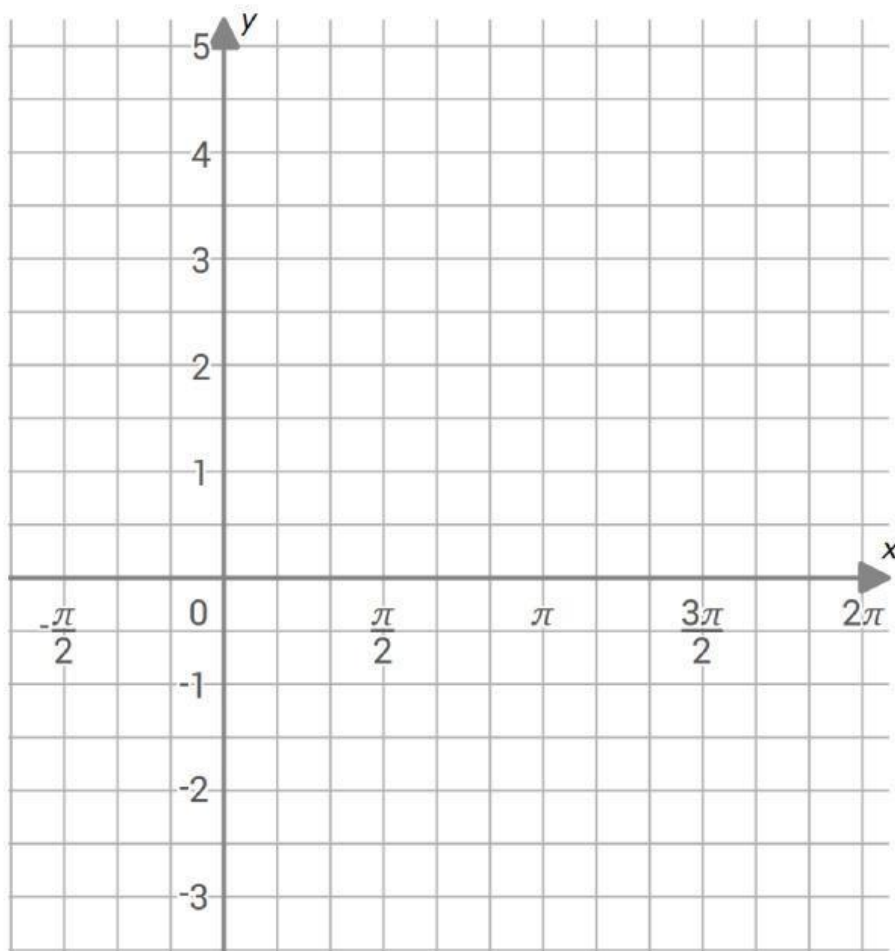
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Title: Geometry: 16.1 **Graph Sine and Cosine Functions (Algebra)**

Instructions: Copy the following questions to your notebook and solve them. Once done submit them on Schoology

Q1) Complete the following table and draw the graph

x	0	$90 \left(\frac{\pi}{2}\right)$	$180 (\pi)$	$270 \left(\frac{3\pi}{2}\right)$	$360 (2\pi)$
$3 \sin x$					



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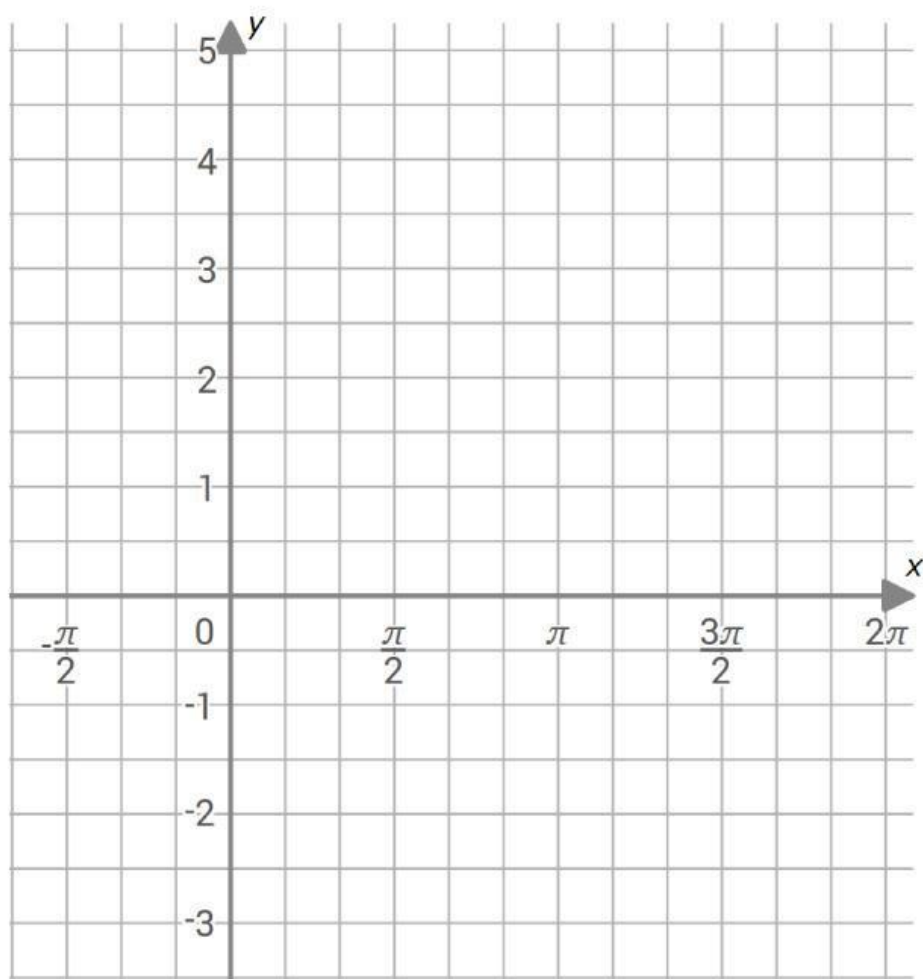
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Q2) Complete the following table and draw the graph

x	0	$90 \left(\frac{\pi}{2}\right)$	$180 (\pi)$	$270 \left(\frac{3\pi}{2}\right)$	$360 (2\pi)$
$3\cos x$					



Name:

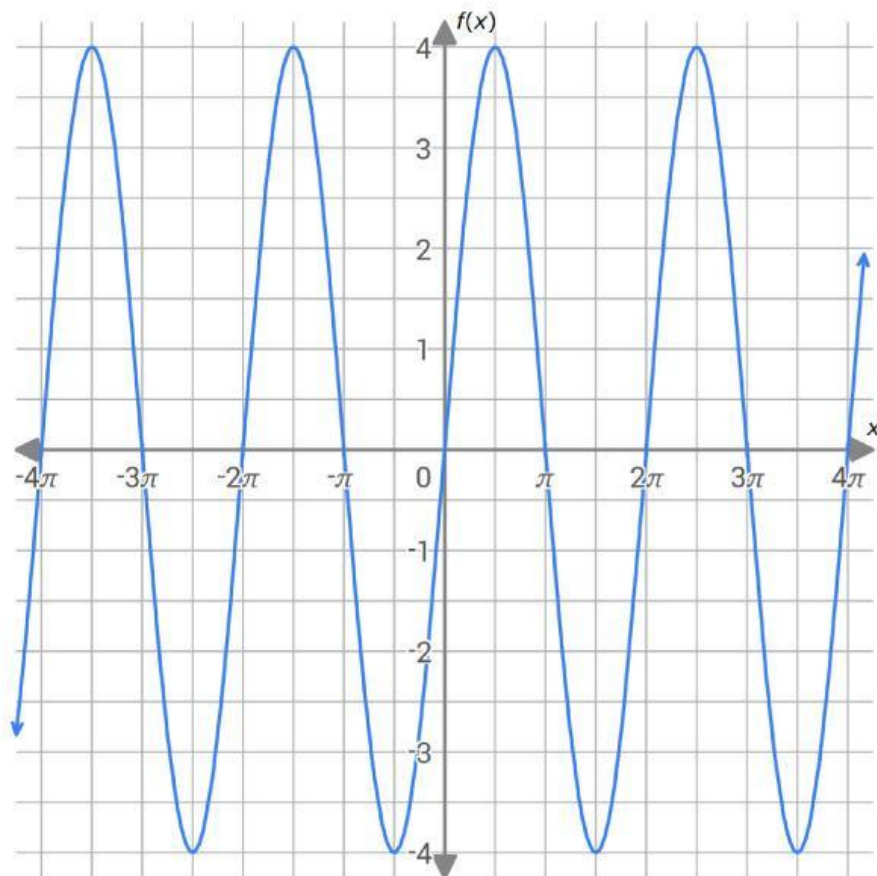
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Q3) Find the value of $f(x)$ when:

- a) $x = \pi$
- b) $x = -2\pi$
- c) $x = \frac{\pi}{2}$
- d) $x = -4\pi$
- e) $x = 2.5\pi$



Name:

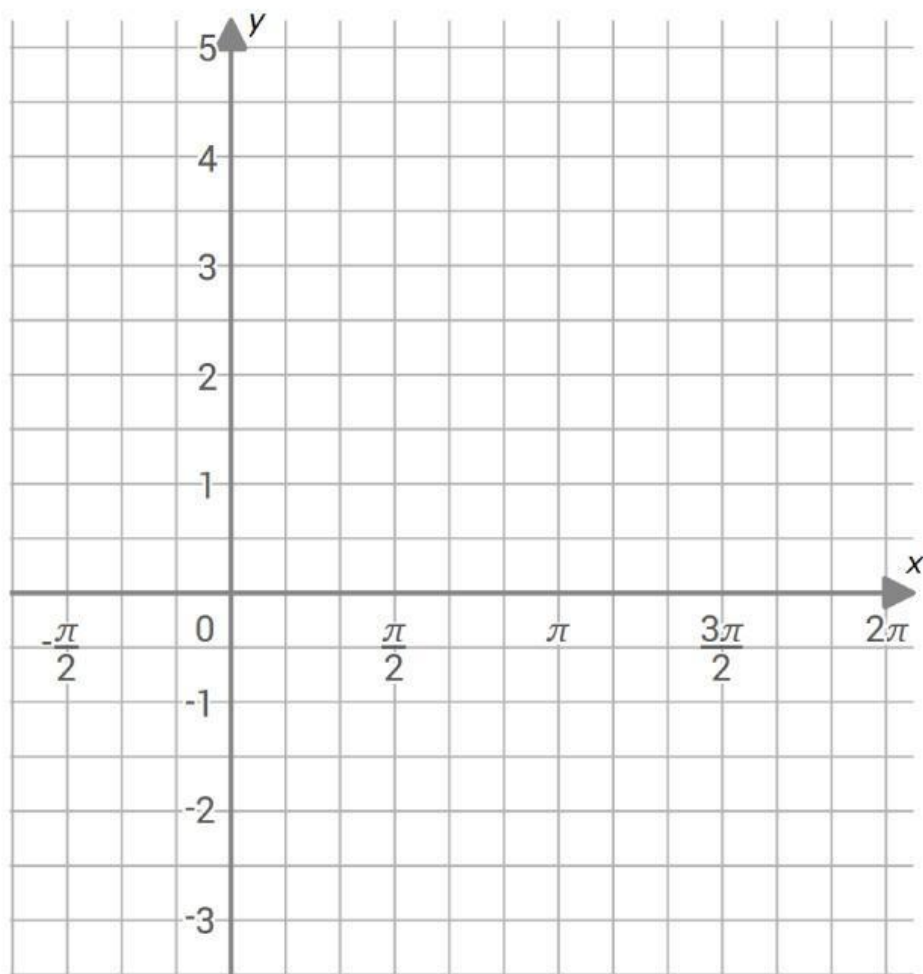
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Q4) Complete the following table and draw the graph

x	0	$90 \left(\frac{\pi}{2}\right)$	$180 (\pi)$	$270 \left(\frac{3\pi}{2}\right)$	$360 (2\pi)$
$0.5 \sin 4x$					



- b) Find the amplitude of the function
- c) Find the period of the function

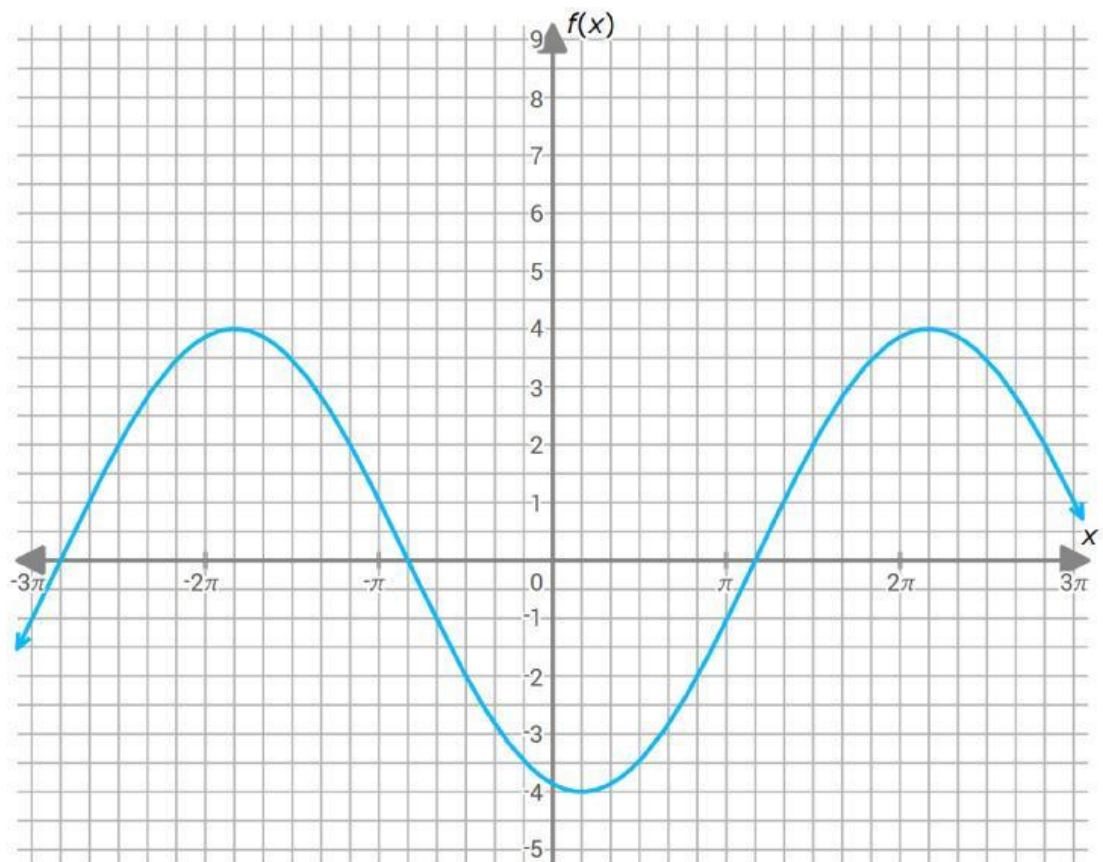
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Q5)



- Find the amplitude of the function
- Find the period of the function
- Find the value of $f(x)$ when $x = \pi$
- Find the value of $f(x)$ when $x = -2\pi$