

7.6 Worksheet Day 2

Name _____

Write the Transformations. Find the Domain, Range, Amplitude, and Period. Label the axes.
Graph at least two cycles of the function.

1. $h(x) = 3 \sin(x)$

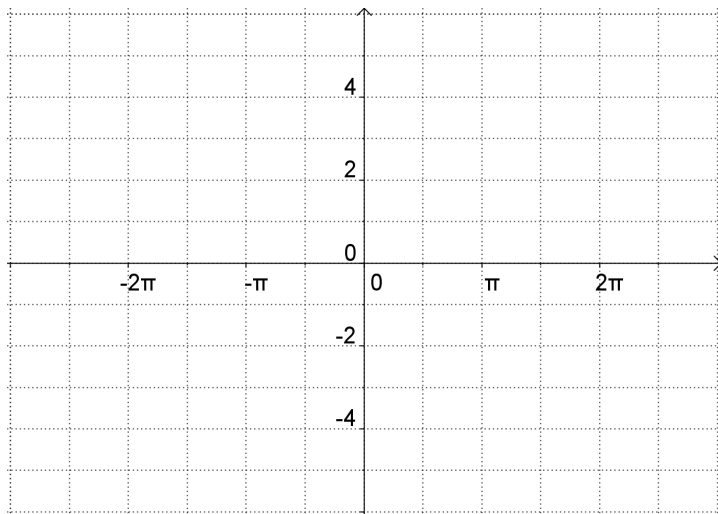
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2. $f(x) = \cos(2x)$

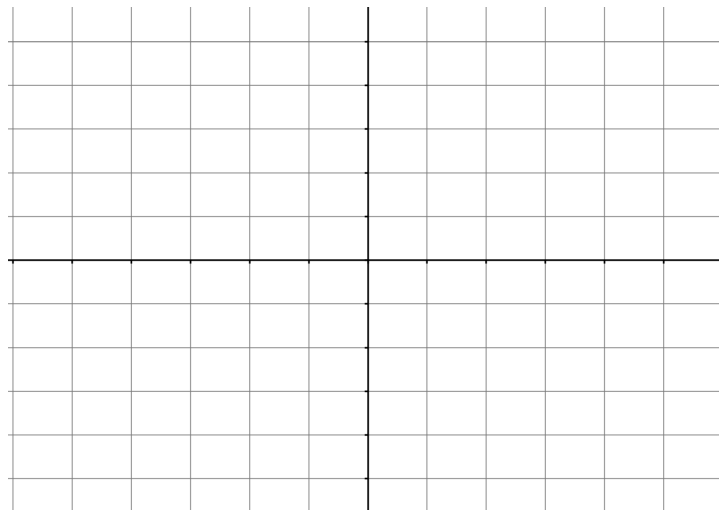
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3. $g(x) = \cos\left(x + \frac{\pi}{2}\right)$

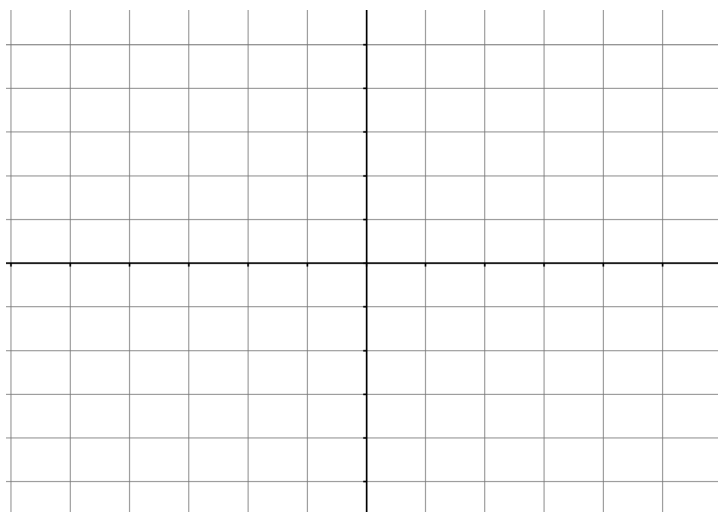
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4. $f(x) = \sin(x) + \frac{5}{2}$

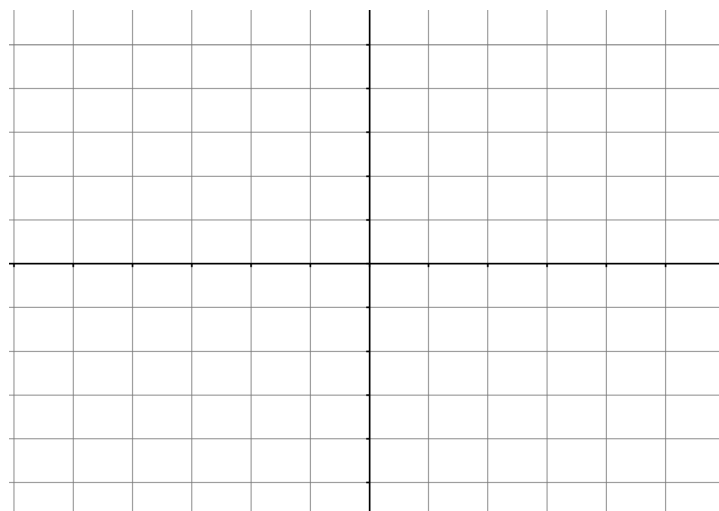
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$$5. f(x) = -4 \cos\left(\frac{1}{2}x\right)$$

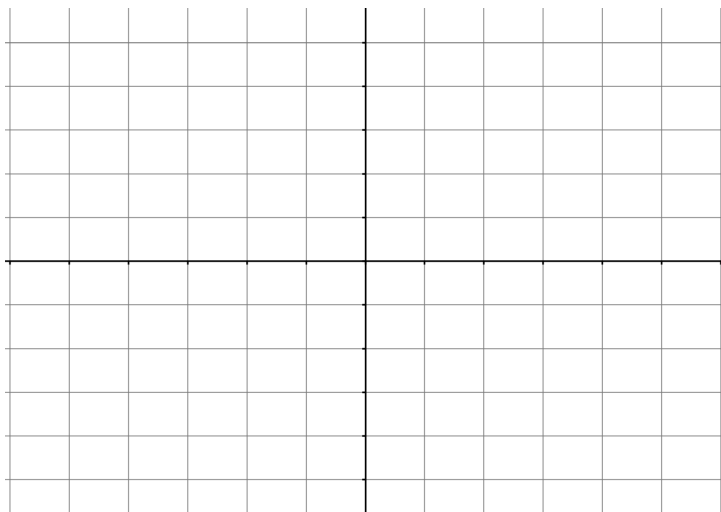
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$$6. g(x) = 2 \sin(x) + \frac{3}{2}$$

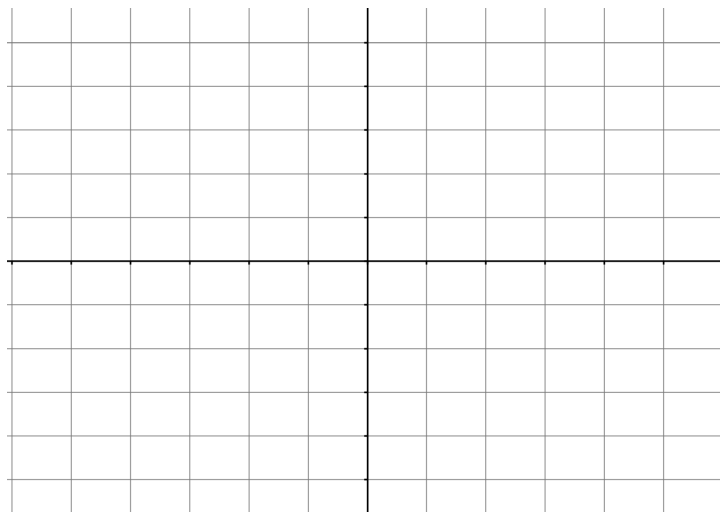
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$$7. p(x) = \frac{1}{2} \sin(3x) + 4$$

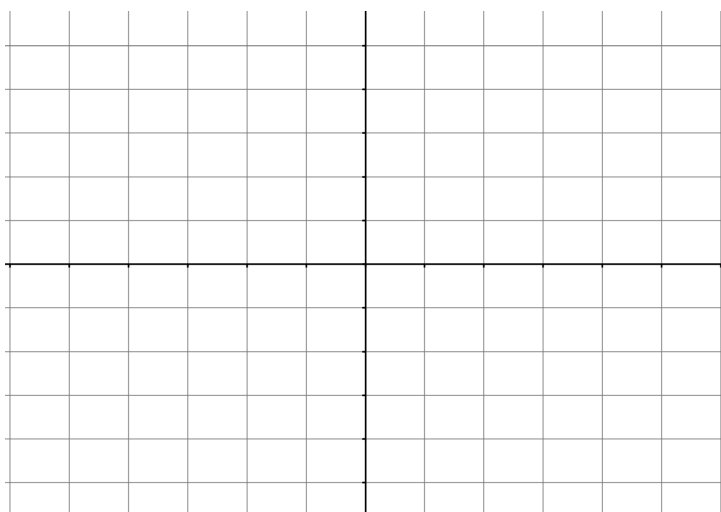
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$$8. h(x) = 1 + 2 \sin(x + \pi)$$

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