

# HOMEWORK for Transforming $y = \sin(x)$ and $y = \cos(x)$ | Lesson 32

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(A) Make notes & copy examples from:

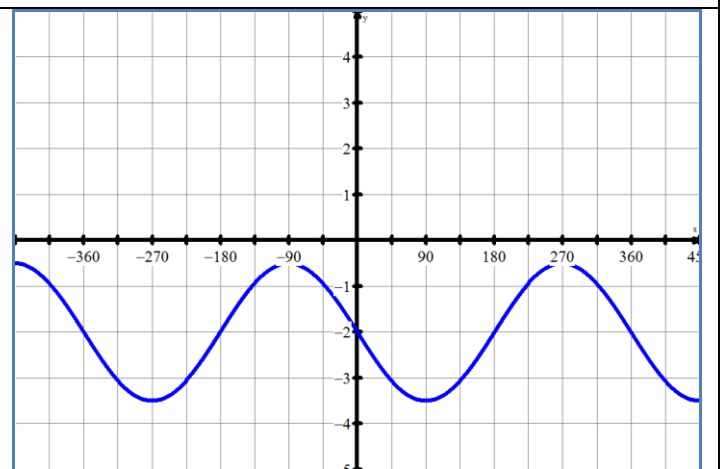
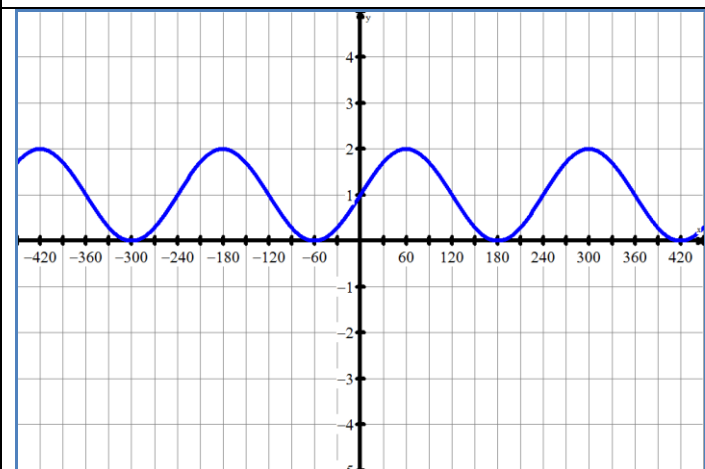
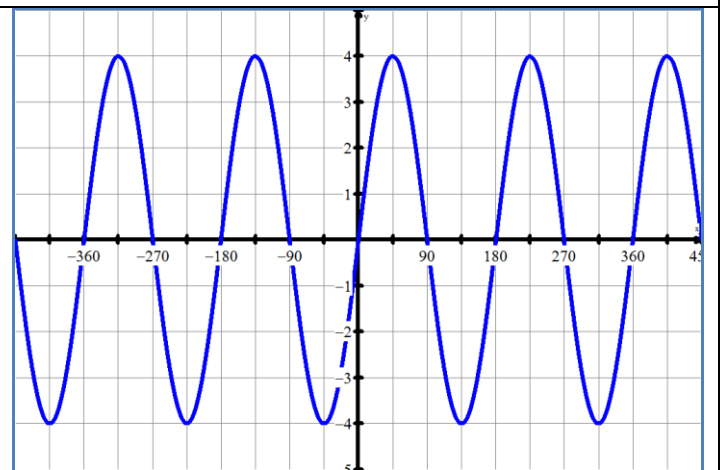
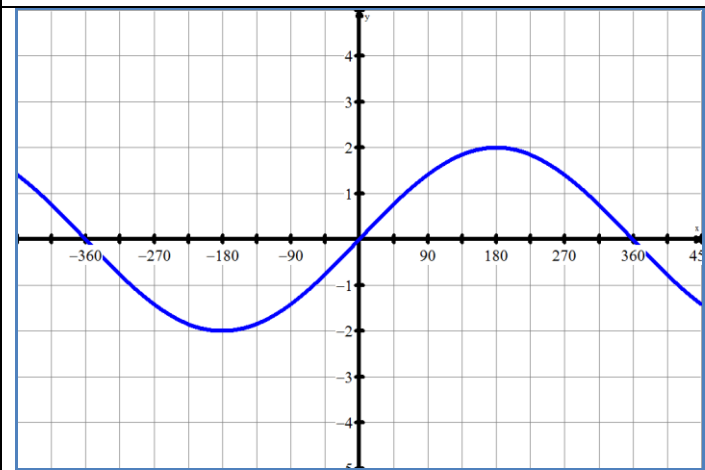
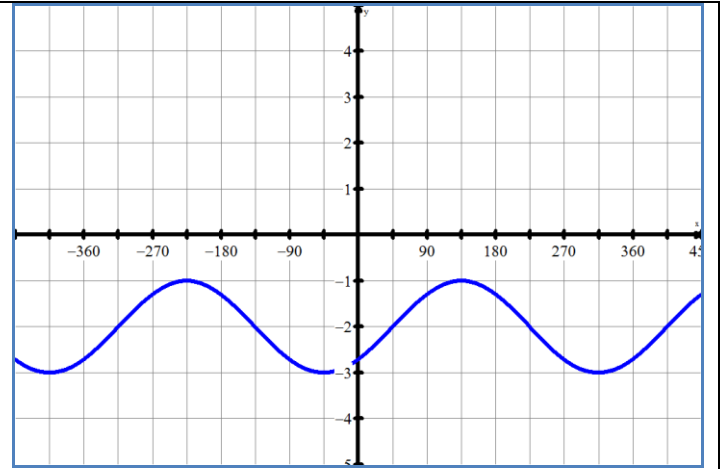
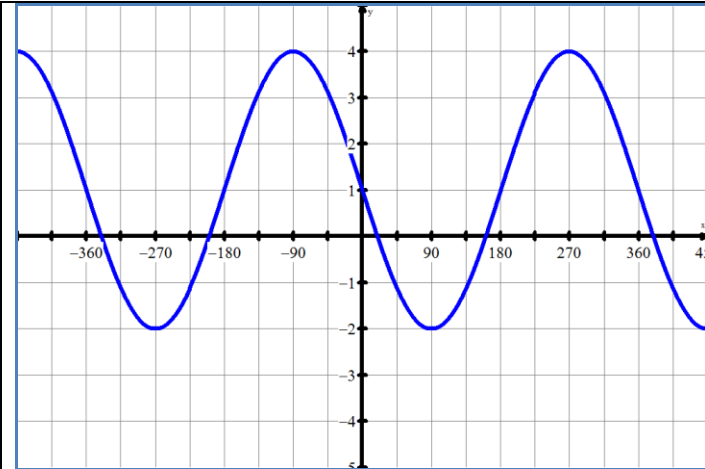
- a. <http://www.youtube.com/watch?v=El1qINeL2gw>
- b. <http://www.youtube.com/watch?v=o7Ho1bMWhG8>

Notes/Examples

Key Concepts/Skills:	Examples Developed:
Questions or Clarifications??	

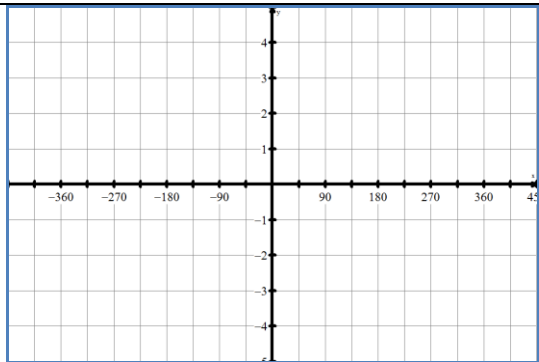
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HW Practice for Lesson 32 – Transforming Sinusoidal Functions – Write the equations of the following transformed sin functions

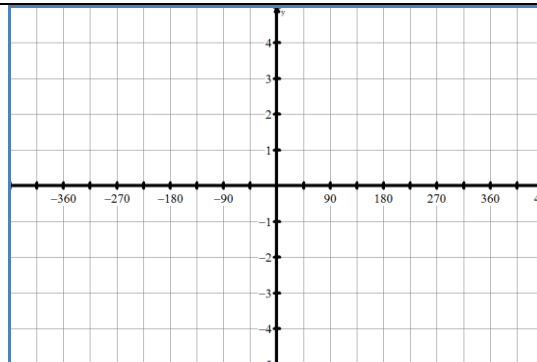


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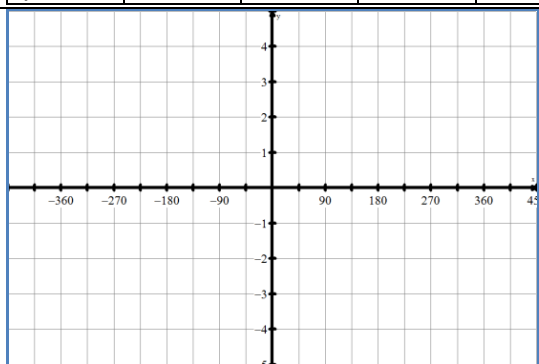
HW Practice for Lesson 32 – Transforming Sinusoidal Functions – Write the equations of the following transformed sin functions, given the data set provided



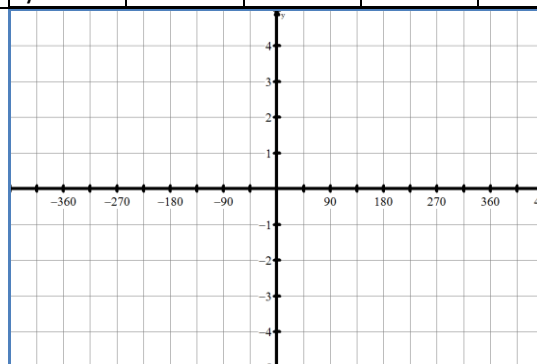
$X^\circ$	0	90	180	270	360
y	-3	0	3	0	-3



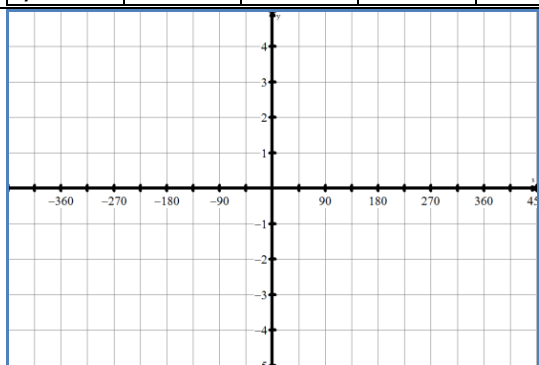
$X^\circ$	45	135	225	315	405
y	3.5	2	0.5	2	3.5



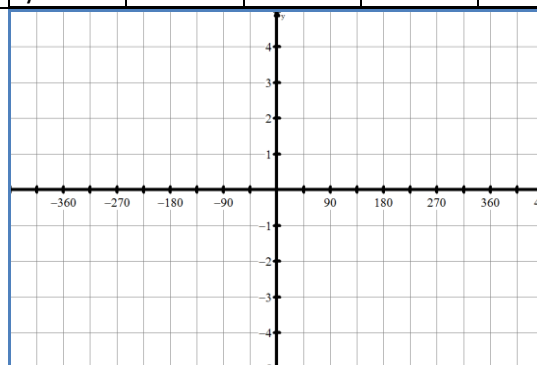
$X^\circ$	0	45	90	135	180
y	0	3	0	-3	0



$X^\circ$	-90	-30	30	90	150
y	0	3.5	5	3.5	0



$X^\circ$	15	105	195	285	375
y	2	1	0	1	2

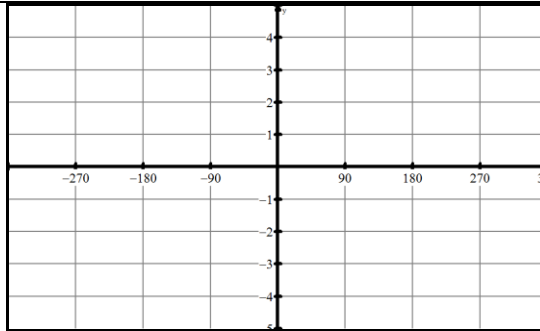


$X^\circ$	-90	-45	0	45	90
y	6	-2	6	-2	6

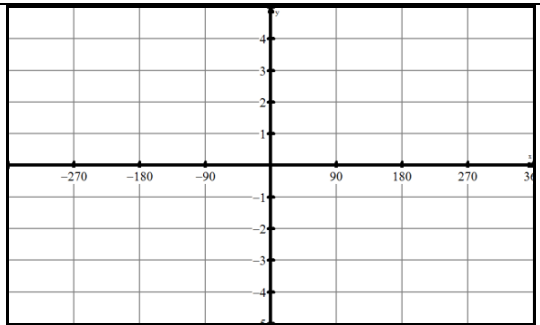
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Practice – From Equation to Graph – NO CALCULATOR

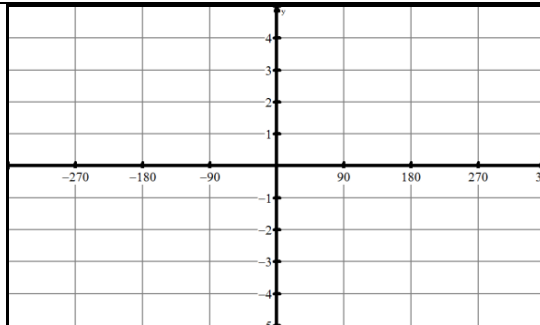
$$f(x) = 3 \sin(x) - 1$$



$$g(x) = 3\cos(2x)$$



$$f(x) = \sin(x + 45) - 2$$



$$g(x) = \frac{1}{2} \cos(x - 90)$$

