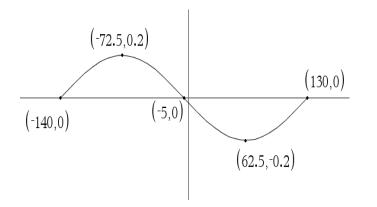
Name	2 nd hour	3 rd hour	4 th hour
SA Transformations of Sine and Cosine	5 th hour	6 th hour	7 th hour

Writing a Function from its Graph Graphing a Function from its Function

Write the equation of the given trigonometric function, answer the related questions, and select the related transformations



 Write the trigonometric function in the given graph in both formats
 General Trigonometric Function

Translated Trigonometric Function

2. Complete the related table

А	В	С	D	Amplitude	Phase shift	Period Length	State implied period

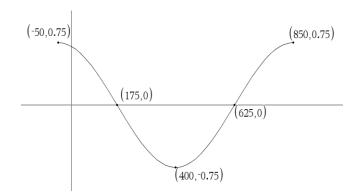
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3. Circle the related transformations

Vertical Vertical Compression Stretch	Vertical Reflection	Horizontal Compression	Horizontal Stretch	Phase Shift LEFT	Phase Shift RIGHT	
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Show any related work here

Extra Credit #1: Which is more special to you and why? A nice gesture when EXPECTED like your birthday, Valentine's Day, or an anniversary, or a nice gesture when UNEXPECTED.



4. Write the trigonometric function in the given graph in both formats

General Trigonometric Function

Translated Trigonometric Function

5. Complete the related table

А	В	С	D	Amplitude	Phase shift	Period Length	State implied period

6. Circle the related transformations

Vertical Vertical Compression Stretch I	rtical Horizontal ection Compression	Horizontal Stretch	Phase Shift LEFT	Phase Shift RIGHT
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Show any related work here

Extra Credit #2: Give an example of when you learned a lesson about the nature of friendships you have had in the past. Was this lesson a positive or negative experience?

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Circle the related transformations

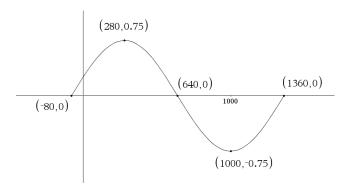
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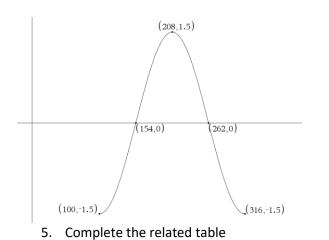
А	В	C	D	Amplitude	Phase shift	Period Length	State implied period

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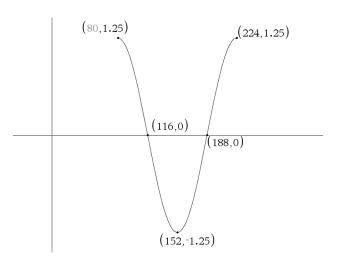
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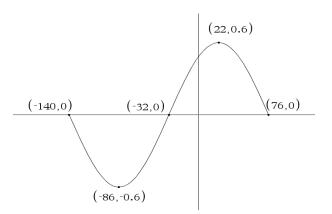
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