**Trigonometry Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**WKS – Graphing Sine & Cosine Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_**

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| 1. Consider the function:  The amplitude is \_\_\_\_\_\_\_\_ The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_ The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| 2. For  Write the equation in standard form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  The amplitude is \_\_\_\_\_\_\_\_ The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_ The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| 3. For give a complete description of the translation that occurs based upon  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Description: http://laurashears.info/math122/graphsAndResources/graph.gifGraph the basic function, either or and then graph one complete cycle of the following functions.  4-5. Sketch the graph of  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| Neatly and accurately graph one cycle of the given function.  Description: http://laurashears.info/math122/graphsAndResources/graph.gif6. Sketch the graph of  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| 7. Sketch the graph of Description: http://laurashears.info/math122/graphsAndResources/graph.gif  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| Description: http://laurashears.info/math122/graphsAndResources/graph.gif8. Sketch the graph of  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| Description: http://laurashears.info/math122/graphsAndResources/graph.gif9. Sketch the graph of  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |
| Description: http://laurashears.info/math122/graphsAndResources/graph.gif10. Sketch the graph of  Write the equation in standard form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  The amplitude is \_\_\_\_\_\_\_\_  The phase shift is \_\_\_\_\_\_\_\_ units up down left right  The period is \_\_\_\_\_\_\_\_    The vertical shift is \_\_\_\_\_\_\_ units up down left right |