DIRECTIONS: Determine if the following graphs represent periodic functions. If not, explain why. It the graph is periodic find the period.

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| 1) | 2) | 3) |

DIRECTIONS: (a) Highlight one cycle of each of the following periodic graphs. (b) Find the period. (c) Find the amplitude.

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| 4) | 5) | 6) |

DIRECTIONS: Graph one cycle of each of the following trig functions. YOU MUST INCLUDE A TABLE.

7) 8)

9) 10)

DIRECTIONS: Write an equation that matches the given description.

11) A positive cosine function with amplitude of 3 and period of .

12) A negative sine function with amplitude of 4 and period of 3.

13) A positive sine function with amplitude of 10 and period of .

DIRECTIONS: Write an equation that satisfies the given periodic graph.

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| 15) | 16) | 17) |