Algebra II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson 13-4 The Sine Function Date\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_

HW # 8





# of cycles: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Amplitude: \_\_\_\_\_

Period: \_\_\_\_\_\_\_

# of cycles: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Amplitude: \_\_\_\_\_

Period: \_\_\_\_\_\_\_

# of cycles: \_\_\_\_\_\_\_\_\_\_\_\_\_

Amplitude: \_\_\_\_\_

Period: \_\_\_\_\_\_\_





Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You can use five points equally spaced through one cycle to sketch a sine curve.

For a > 0, this five-point pattern is ***zero-max-zero-min-zero***.

1. Sketch one cycle of a sine curve with amplitude 2 and period 4π.



1. Sketch one cycle of the graph of each sine function.



1. y = 1.5 sin 2θ



1. y = 3 sin θ