## **Unit 3: Trigonometric Ratios**

## Lesson 1: Exploring Graphs

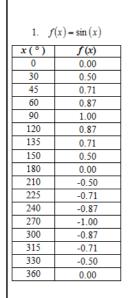
For each function provided:

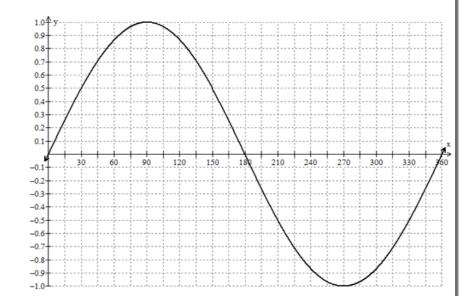
- Complete the table of values (round to 2 decimal places) (\*\*Make sure your calculator is in DEGREE mode\*\*)
- Plot the points and graph the function, choosing a scale that will utilize the entire grid.
- State the **domain** and **range**
- Verify your graphs using graphing technology

1. 
$$f(x) = \sin(x)$$

$$2. \quad g(x) = \cos(x)$$

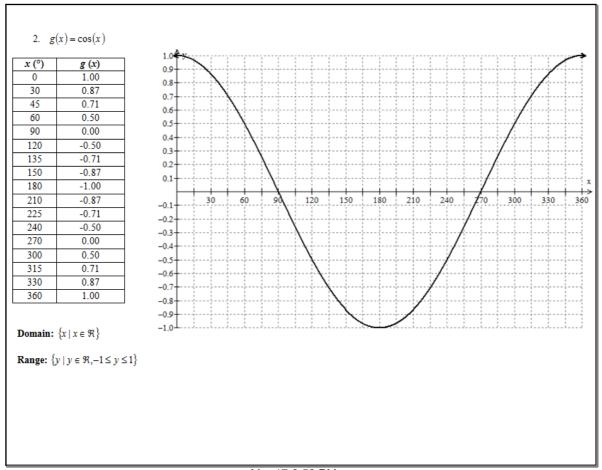
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**Domain:**  $\{x \mid x \in \Re\}$ 

**Range:**  $\{y \mid y \in \Re, -1 \le y \le 1\}$ 



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