

Background content: Prior to doing this activity, students should have working knowledge of the following:

- Trigonometric graphs and features of sine, cosine, and tangent functions
- Domain and range of trigonometric functions

Philosophy behind this activity:

This activity allows students to see how trigonometric functions and their inverses are related through a graphical approach.

Learning Goals:

1. Understand features of graphed trigonometric functions and inverse functions

Implementation Notes:

1. Each page has the correct answers linked together. Cut off the words “Sine, Cosine, and Tangent” prior to handing out the sets. It is best to print these in color if that is an option.
2. Each group will get all 12 cards at once and will be asked to match the functions and their inverses based on the provided materials.
3. This activity has been completed between 10-15 minutes.