

Algebra 2
Unit: Trigonometric Functions
Section: Graphing Trigonometric Functions

Example: Graphing a Phase Shift

Problem

Graph the function y is equal to tangent of the quantity θ minus forty-five degrees.

Solution

First graph the function y is equal to tangent of θ .

Now apply the forty-five degree phase shift or horizontal shift to the right. This just moves the graph to the right 45 degrees. Graph y is equal to the tangent of the quantity θ minus forty-five degrees.