EXTENDING GRAPHS USING COTERIMINAL ANGLES

Extend each graph by one cycle to the right _and_ one cycle to the left [one cycle = 2π]. Use **key points** and **coterminal** angles to guide graphing.   Label each coordinate point graphed. Show all work.

Graph 1:

y-axis: 4, 3, 2, 1, 0, -1, -2, -3, -4

x-axis: / 2, -π, -π / 2, 0, π / 2, π, 3π / 2, 2π, 5π / 2, 3π, 7π / 2, 4π, 9π / 2, 5π, 11π / 2, 6π

Graph 2:

y-axis: 2, 1, 0, -1, -2

x-axis: -5π / 2, -2π, -3π / 2, -π, -π / 2, 0, π / 2, π, 3π / 2, 2π, 5π / 2, 3π, 7π / 2, 4π, 9π / 2

Graph 3:

y-axis: 3, 2, 1, 0, -1, -2, -3

x-axis: -5π / 2, -2π, -3π / 2, -π, -π / 2, 0, π / 2, π, 3π / 2, 2π, 5π / 2, 3π, 7π / 2, 4π, 9π / 2, 5π