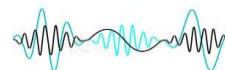


Unit 5B Agenda – Graphing Sine & Cosine Functions – 2023

MM4A3. Students will investigate and use the graphs of the six trigonometric functions.

- a. Understand and apply the six basic trigonometric functions as functions of real numbers.
- b. Determine the characteristics of the graphs of the six basic trigonometric functions.
- c. Graph transformations of trigonometric functions including changing period, amplitude, phase shift, and vertical shift.
- d. Apply graphs of trigonometric functions in realistic contexts involving periodic phenomena.



Friday November 10	Sine Graph with Vertical & Horizontal Dilations (<i>amplitude, period, domain/range, even/odd</i>) Warmup – The Graph of the Sine Function Notes Trig Graphing – WS 1 – Part 1 – Sine Graphs
Monday November 13	Cosine Graph with Vertical & Horizontal Dilations (<i>amplitude, period, domain/range, even/odd</i>) Warmup – The Graph of the Cosine Function Notes Trig Graphing – WS 1 – Part 2 – Cosine Graphs
Tuesday November 14	Review – Sine and Cosine Graphs with Vertical & Horizontal Dilations Warmup – Graphing Sin/Cos #1 WS Sine and Cosine with Dilations
Wednesday November 15 No Xblock	QUIZ – Sine & Cosine Graphs – Dilations
Thursday November 16	Sine and Cosine Graphs with Vertical & Horizontal Translations (<i>phase shift and vertical shift</i>) Warmup – Graphing Sin/Cos #2 Notes Trig Graphing – WS 2 #1 – 10
Friday November 17 Xblock	Sine and Cosine Graphs Warmup – Graphing Sin/Cos #3 Practice Quiz – self-graded (as a review) Trig Graphing – WS 2 – #11 – 20
Thanksgiving Break!!	
Monday November 27	Sine and Cosine Graphs Trig Graphing WS 5
Tuesday November 28	QUIZ – Sine and Cosine Graphs
Wednesday November 29	Sine and Cosine Graphs with Horizontal Reflections (and how to avoid them!) Warmup – Avoiding Horizontal Reflections Avoiding Horizontal Reflections WS
Thursday November 30	Characteristics of Sine and Cosine / More graphing Practice!!! Warmup – Graphing Sin/Cos #4 WS Characteristics of Sine and Cosine
Friday December 1	Sine and Cosine Graphs Warmup – Graphing Sin/Cos #5 Trig Graphing WS 6 (Omit #15 & 16)
Monday December 4	TEST – Graphing & Writing Equations