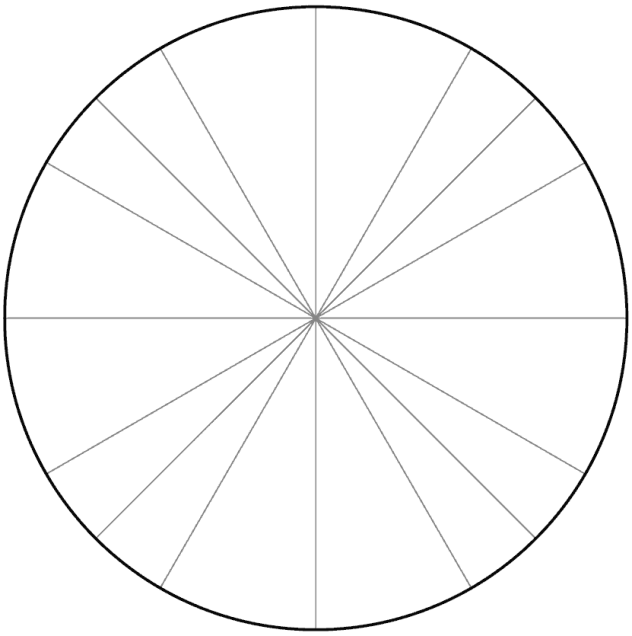
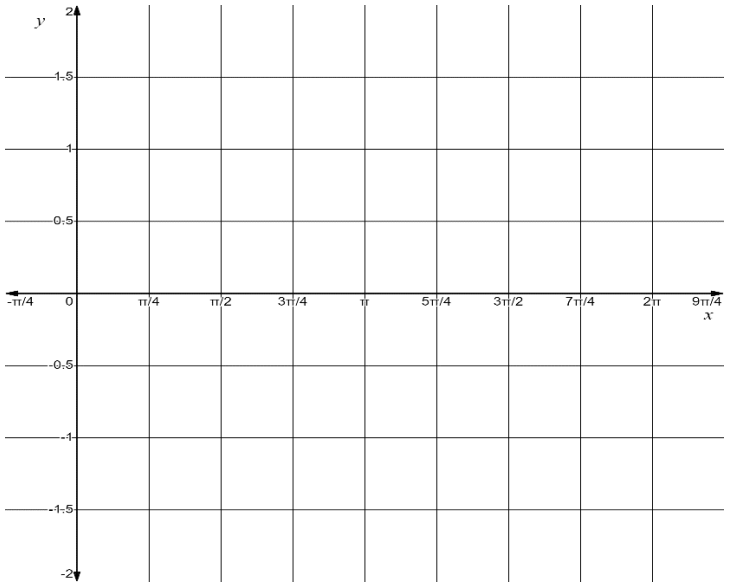
Name: _____ Date: _____

Learning Goal 3.2	Applying derivatives to trigonometric and exponential functions.

Quick recap from Pre – Calculus





Quick recap from Limits

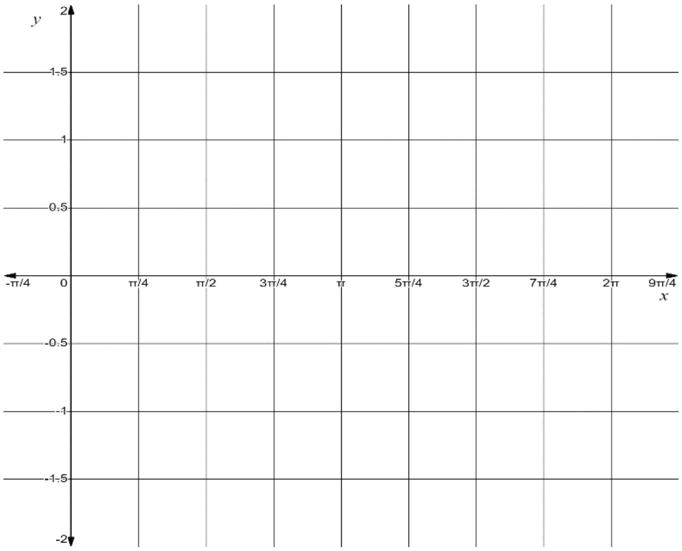
a. $\lim_{x\to 0}\frac{\sin 2x}{\sin 4x}$

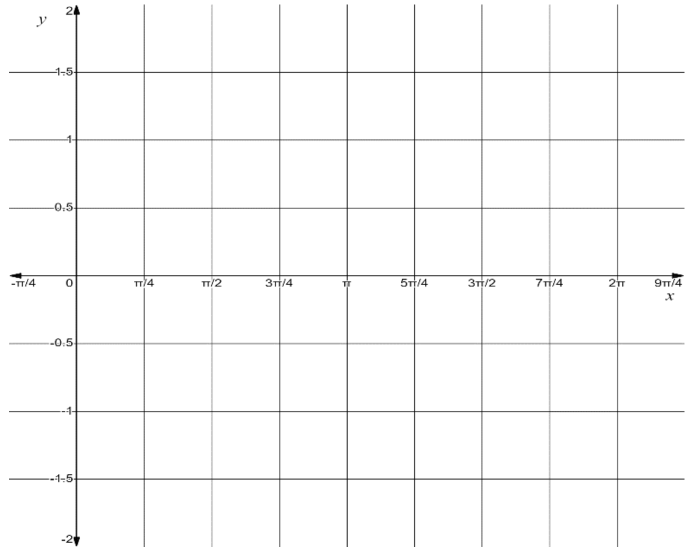
b. $\lim_{x\to 0}\frac{\tan 2x}{x}$

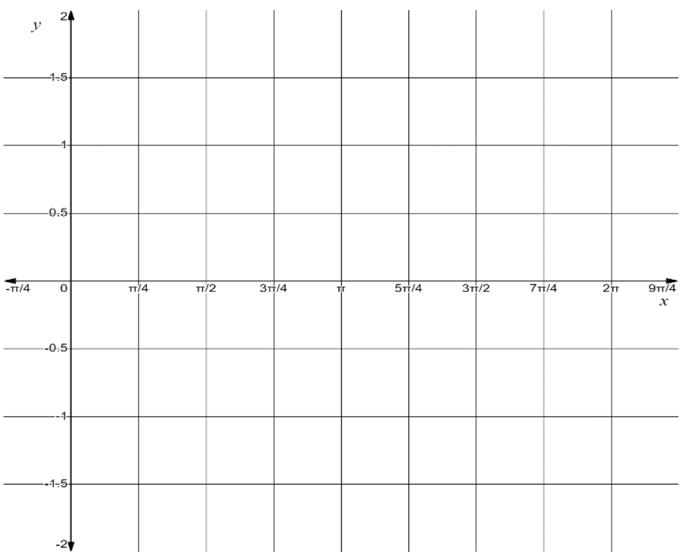
c. $\lim_{x\to 0}\frac{\cos 7x-1}{x}$

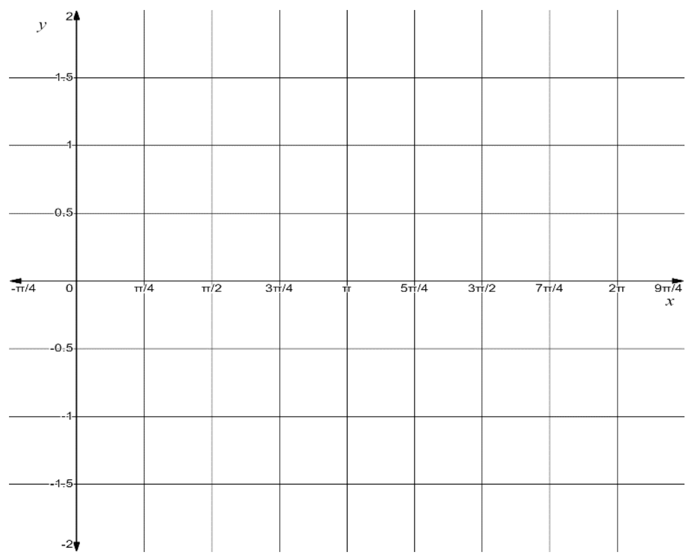
Assignment # 1 – 15, 21, 23, 29, 35 – 43, 47 Quiz Next Day!

The Derivative of Sine and Cosine Graphically









Example Use the quotient rule to find the derivative of $y = \tan x$.

Assignment # 1 – 15, 21, 23, 29, 35 – 43, 47 Quiz Next Day!