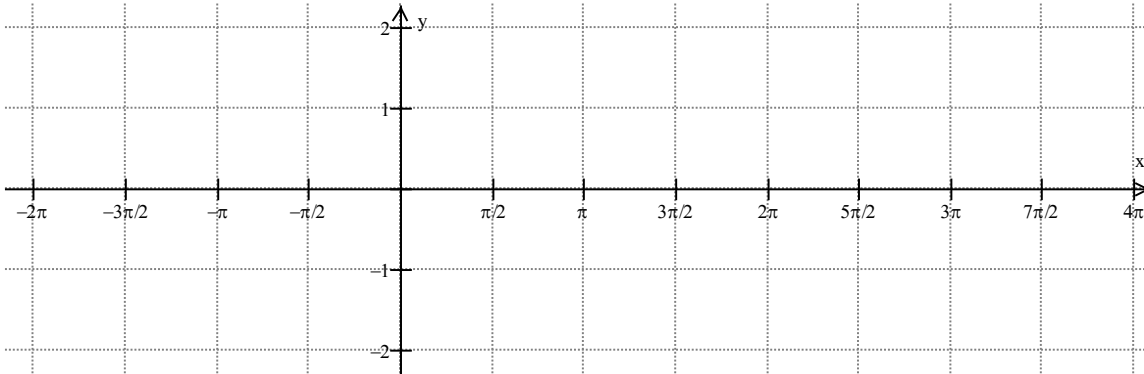


Quiz C: Graphs of Sine and Cosine

Make accurate sketches of the three main trig functions. Make sure that all zeros, maximums, minimums, key points, and asymptotes are correctly placed. This quiz is worth 30 points.

1. Sketch the graph of $y = \sin(\theta)$, all the way from the left to the right. Use radians.



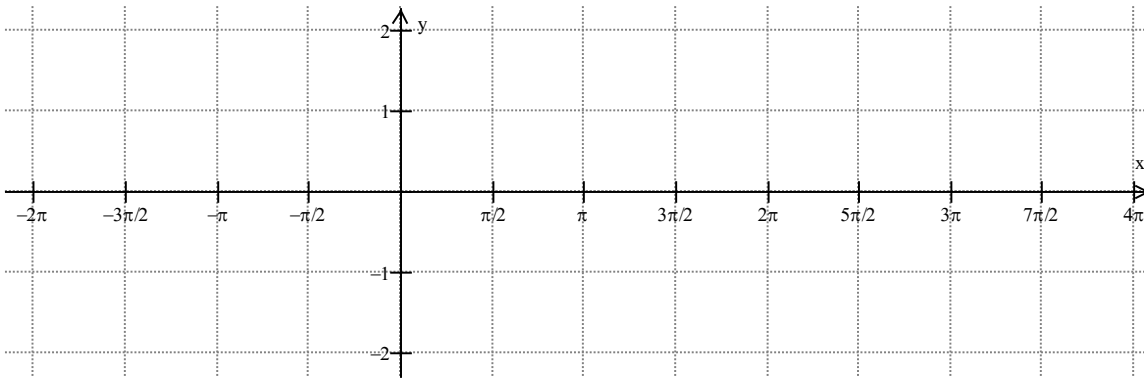
2.
 - a) What is the domain of sine (what inputs are allowed)?

 - b) What is the range (what outputs can be expected)?

3.
 - a) For what inputs does the function equal zero? Write as a list with at least 5 consecutive values **or** as a formula.

 - b) What is the period of the function (how long before it repeats)?

4. Sketch the graph of $y = \cos(\theta)$, all the way from the left to the right. Use radians.



5.

a) What is the domain of cosine (what inputs are allowed)?

b) What is the range (what outputs can be expected)?

6.

a) For what inputs does the cosine function equal zero? Write as a list with at least 5 values or as a formula.

b) What is the period of the function (how long before it repeats)?