

# Chapter 6 Section 4

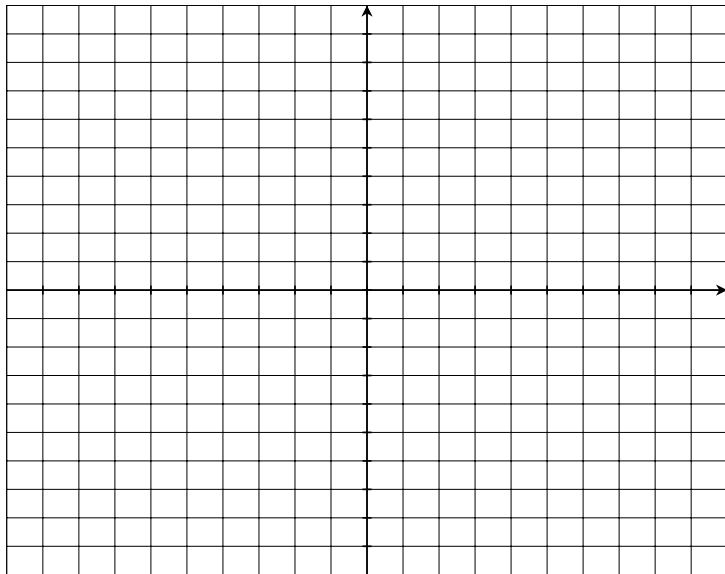
## MA1032 Data, Functions & Graphs

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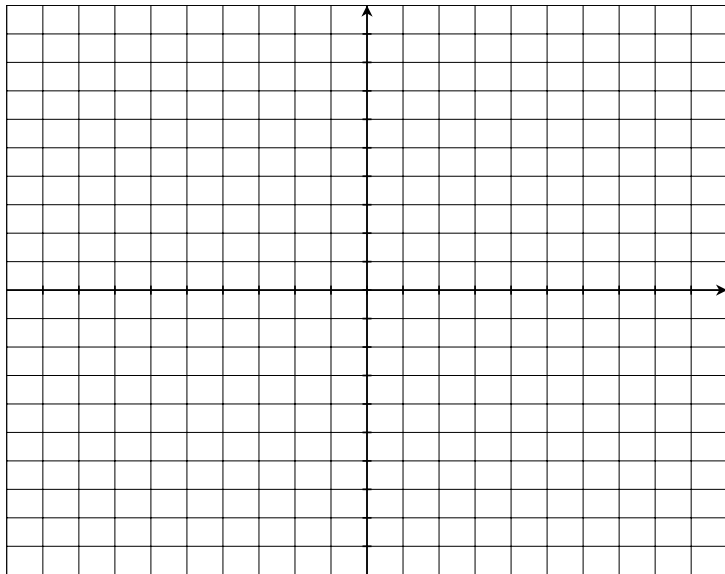
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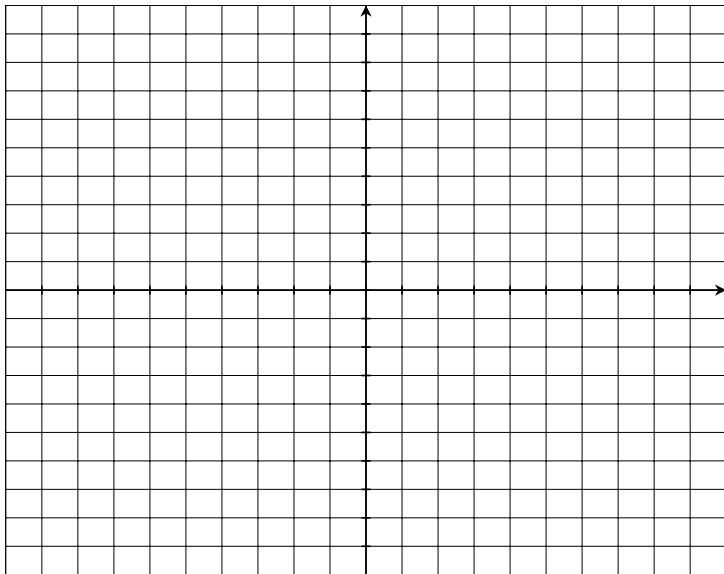
# Sine Graph



# Cosine Graph



# Tangent Graph



# Amplitude

Let  $f(x) = A \sin x$ .

By changing  $A$ , the graph of  $f \dots$

# Midline

Let  $f(x) = \sin x + k$ .

By changing  $k$ , the graph of  $f \dots$

# Summary

- Graphing  $y = A \sin(t)$  and  $y = A \cos(t)$
- Graphing  $y = \sin(t) + k$  and  $y = \cos(t) + k$
- Amplitude and midline