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PHYS 454

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HW#2

# Question 1 – Prove Kepler’s second law (numerically)

a)

b)

A screenshot of a graph

Description automatically generated

# Question 2 – (Not) to Scale

A solar system with planets and sun

Description automatically generated

# Question 3 – IM1 Mission

a)

A graph of the moon and earth

Description automatically generated

b)

A screen shot of a graph

Description automatically generated

A graph of earth and moon

Description automatically generated

# References

[1] [Horizons System (nasa.gov)](https://ssd.jpl.nasa.gov/horizons/app.html#/)

[2]

[3]

[4]

[5] Source Code - <https://colab.research.google.com/drive/173MCQpEXn7Sr_fR0bualLHwxBQiqv8Yb?usp=sharing>