# Section 3 Part E (Optional) Text file of Quorum commands:

Instructions: A blank line will appear whenever you should return to the SJS (Skynet Junior Scholars) web page and read instructions for the next set of commands.

*Quorum Exercise #1*
use Libraries.Compute.Math

Math mag

number magA = cast(number, input("What is apparent magnitude of Object A?"))
number magB = cast(number, input("What is apparent magnitude of Object B?"))

number absValue = mag:AbsoluteValue(magA-magB)

number Ratio =mag:RaiseToPower(2.512, absValue)

number IntensityRatio = mag:Round(Ratio,0)
output IntensityRatio

*Quorum Exercise #2*
use Libraries.Compute.Math

Math mag

number fluxA = cast(number, input("What is the flux of Object A?"))
number fluxB = cast(number, input("What is the flux of Object B?"))

number log = mag:Logarithm(fluxA/fluxB)

number magnitudeDiff = 2.512*log
output magnitudeDiff