

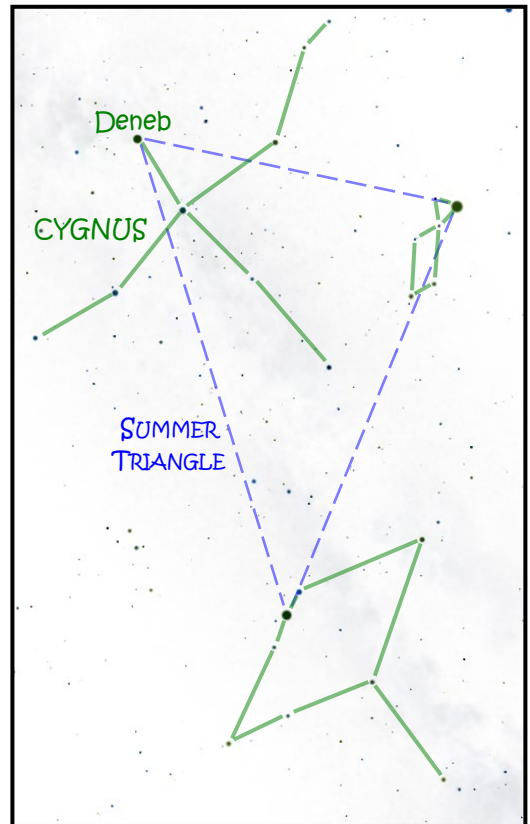
STAR DISTANCES AND MAGNITUDES

1)³³ For the Summer Triangle stars below, **complete the table²⁴ and label the diagram with star and constellation names⁹** (looking straight up from SLU at 10 pm on August 26) by using Appendix 2, pp. 514-526, and Atlas Charts 18, 19 & 31 in the *Field Guide*.

Apx. 2 in order of RA

BAYER DESIGNATION	RA	VISUAL MAGNITUDE (V)	ABSOLUTE MAGNITUDE (M_v)	DISTANCE (ly)	OTHER NAME
α Cyg	20 ^h 41 ^m	1.25	-7.5	1467	Deneb
β Cyg	19 ^h 31 ^m				
γ Cyg	20 ^h 22 ^m				
α Lyr	18 ^h 37 ^m				
β Lyr	18 ^h 50 ^m				
α Aql	19 ^h 51 ^m				
γ Aql	19 ^h 46 ^m				

Learn the stick figures for Cygnus, Lyra, and Aquila.



2)⁶ List the stars in the table in order of distance from the Sun. (Use the "Other Name")

NEAREST

FARTHEST

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3)⁶ List the stars in the table in order of increasing brightness **as seen in the sky**.

DIMMEST

BRIGHTEST

						Vega
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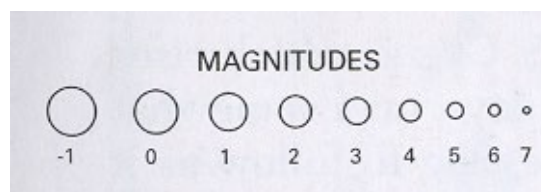
4)⁶ List the stars in the table in order of increasing brightness for all **at the same distance** (eg. 32.6 ly).

DIMMEST

BRIGHTEST

Altair						
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Same!



Smaller number $\Rightarrow$ Brighter object