

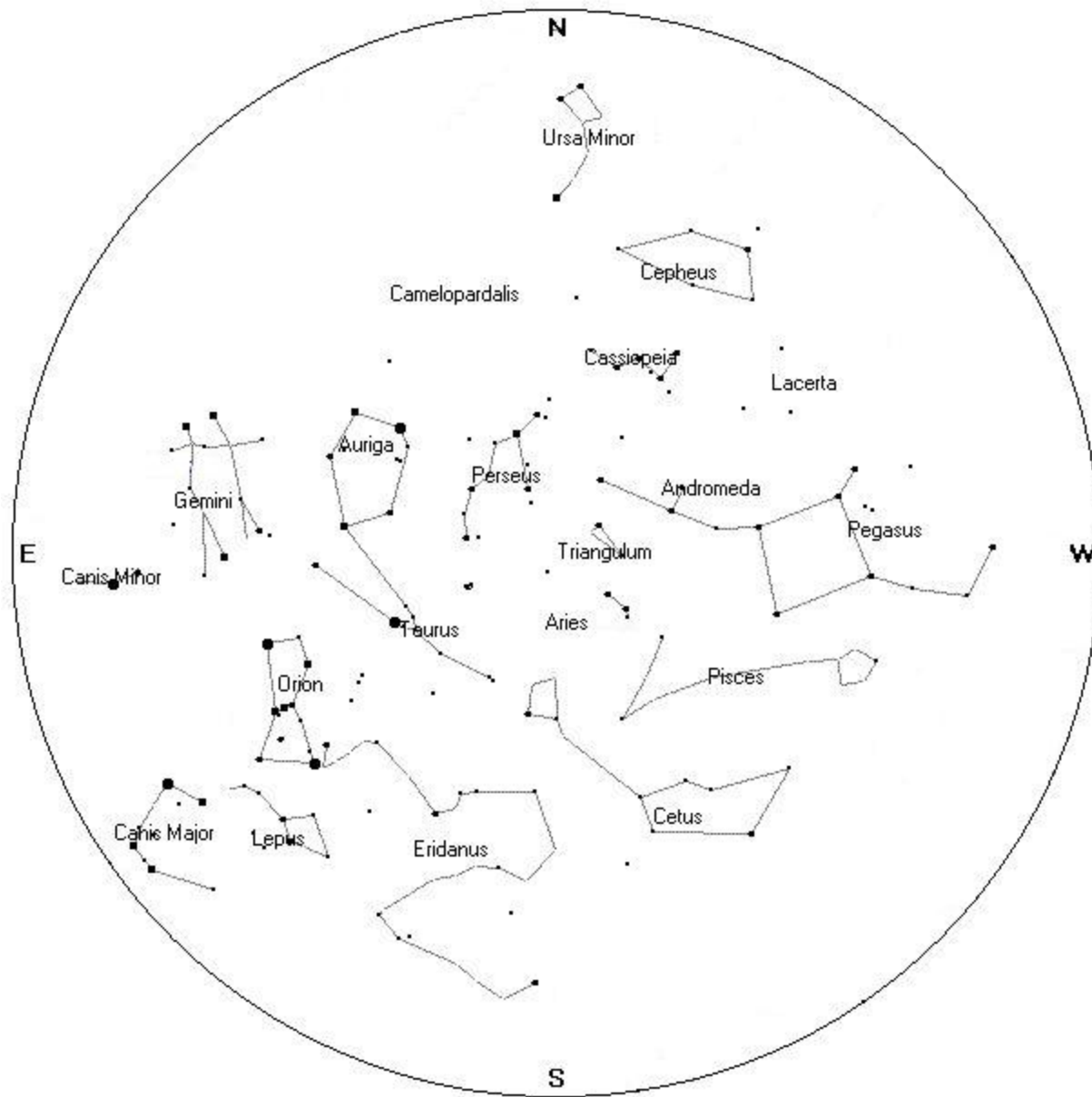
NHAC Observation Challenge - December

Object	Seen	Common Name	Type	AL Club	Action	RA	Dec	Naked Eye	Binocular	Telescope
Cassiopeia			Constellation	Constellations	Sketch			X		
M 34			Open Cluster	Messier Messier Binoc	Locate and Sketch	02 h 42.0 m	+ 42 ° 47 '	X	X	X
M 45			Open Cluster	Messier Messier Binoc	Locate and Sketch	03 h 47.0 m	+ 24 ° 07 '	X	X	X
NGC 663			Open Cluster	Deep Sky Binoc Caldwell Herschel	Locate and Sketch	01 h 46.2 m	+ 61 ° 16 '		X	X
NGC 869			Open Cluster	Deep Sky Binoc Herschel	Locate and Sketch	02 h 18.7 m	+ 57 ° 07 '	X	X	X
NGC 884			Open Cluster	Deep Sky Binoc Caldwell Herschel	Locate and Sketch	02 h 22.9 m	+ 57 ° 08 '	X	X	X
Triangulum			Constellation	Constellations	Sketch			X		
Alpha Auriga		Capella	Star	none	Locate	05 16 41.3	+45 59 53	X		
Alpha Taurus		Aldebaran	Star	none	Locate	04 35 55.2	+16 30 33	X		
Alpha Ursa Minor		Polaris	Multiple Stars	Double Star	Locate and Sketch	02 31 50.5	+89 15 51			X
Beta Taurus		El Nath	Star	none	Locate	05 26 17.5	+28 36 27	X		

Name: _____

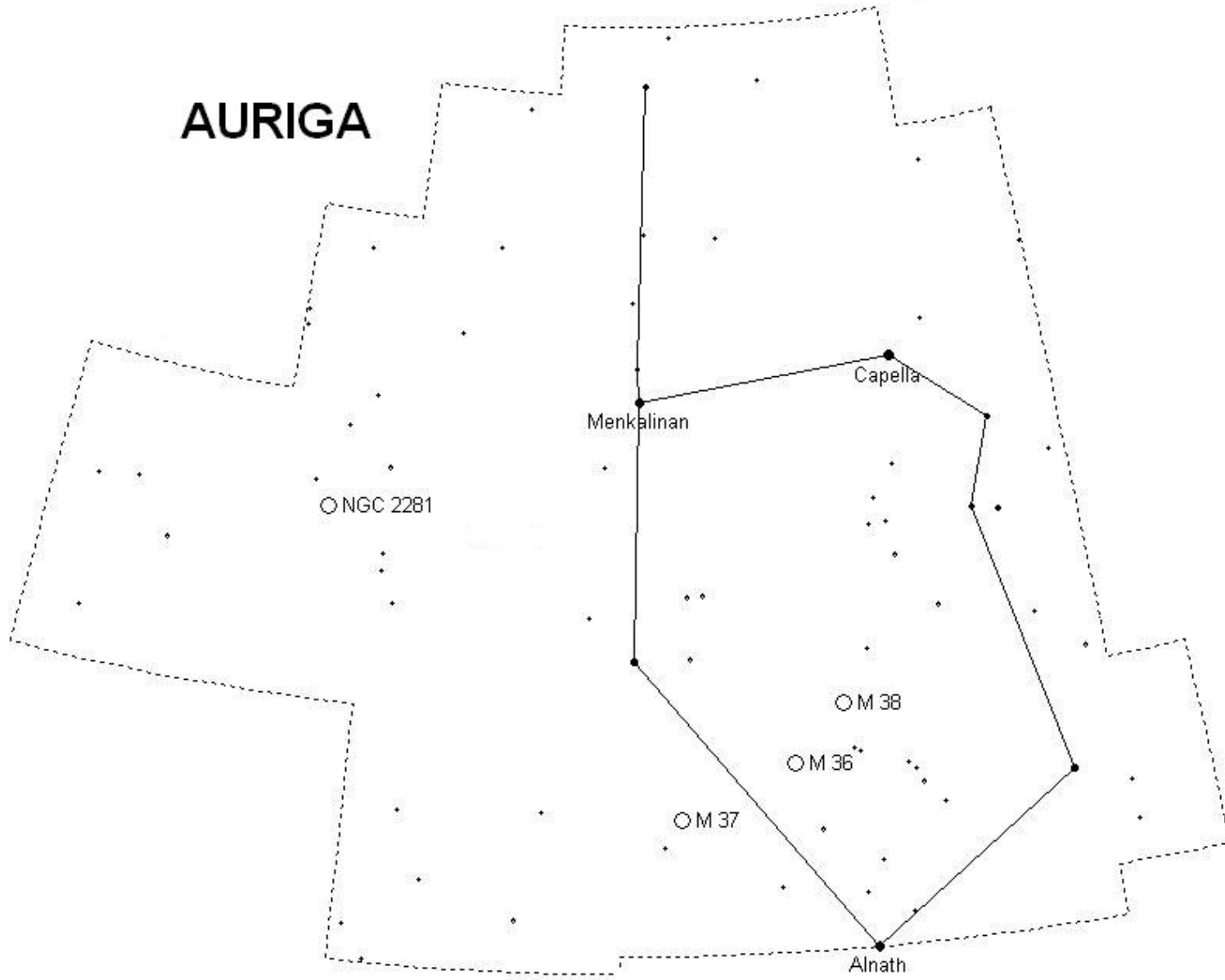
Date: _____

December – Whole Sky Chart

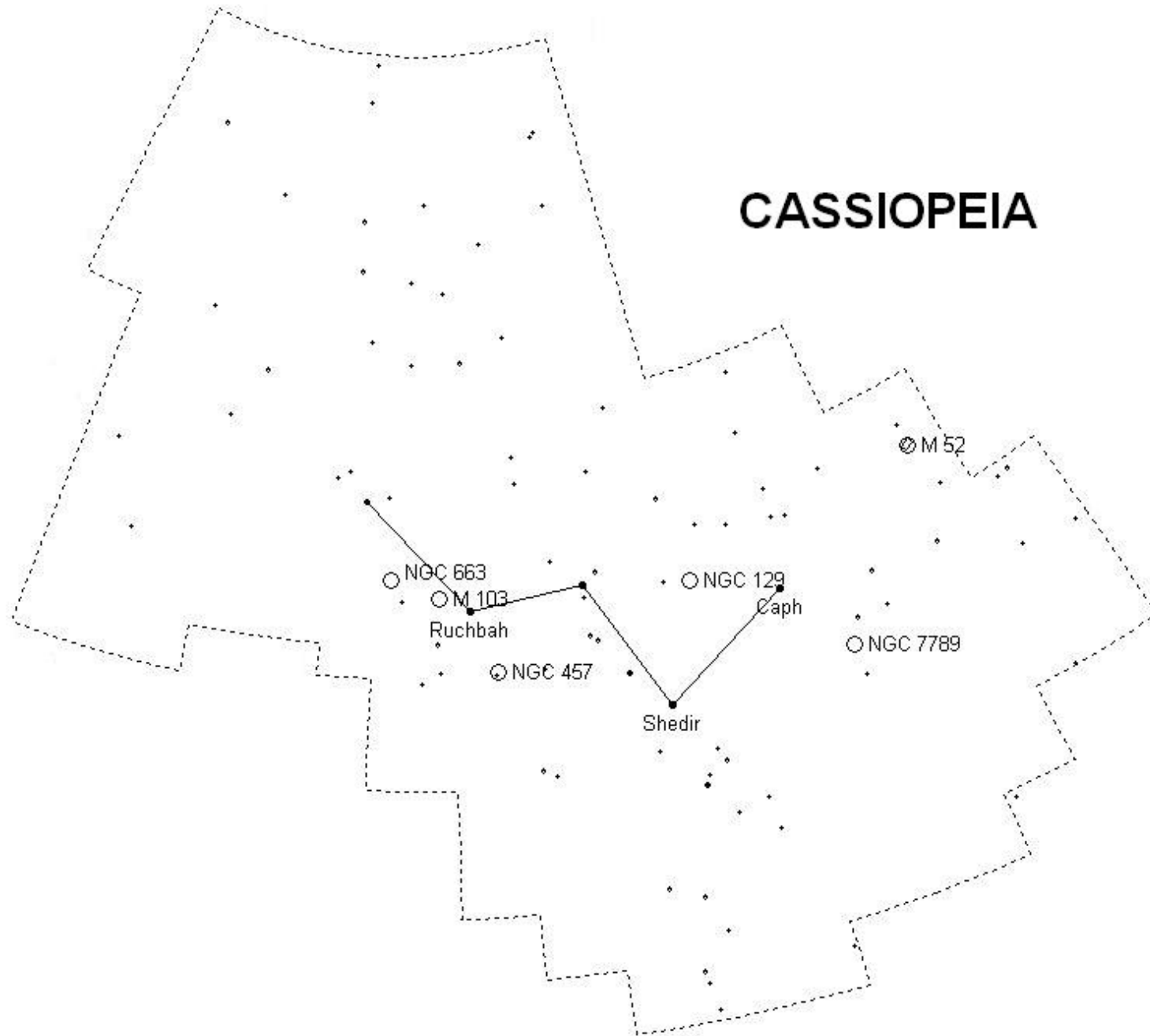


December – Constellation Maps

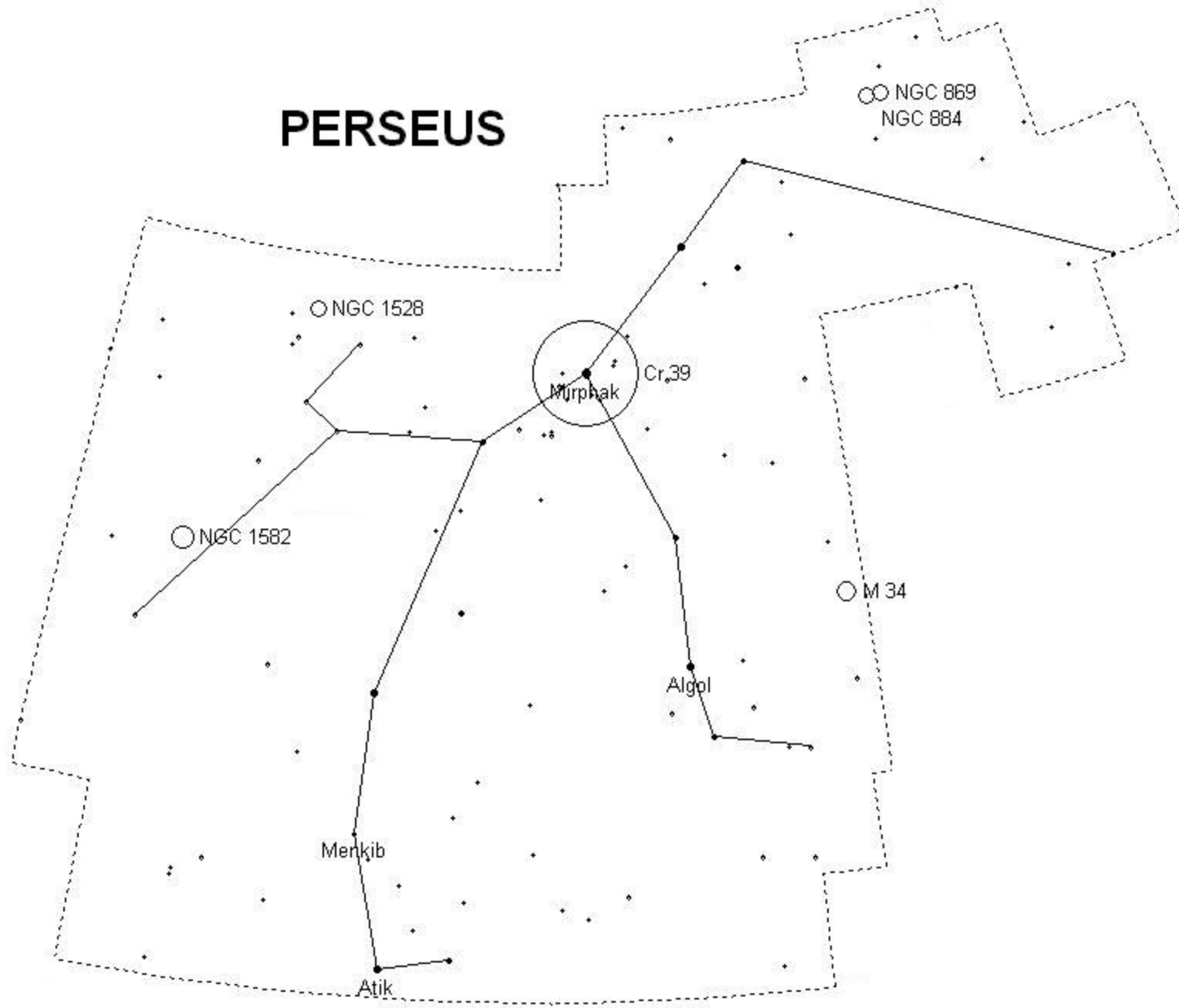
AURIGA



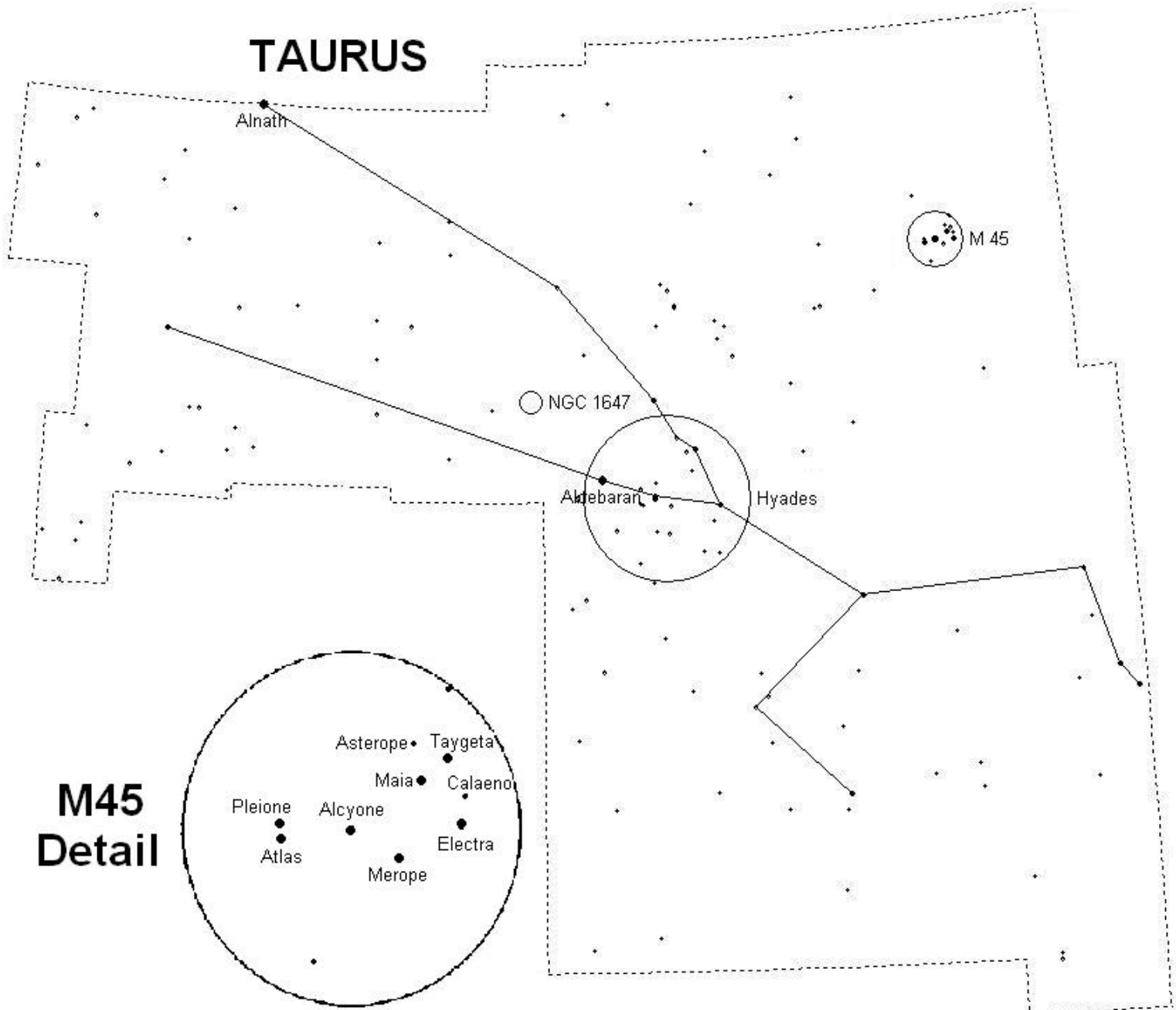
CASSIOPEIA



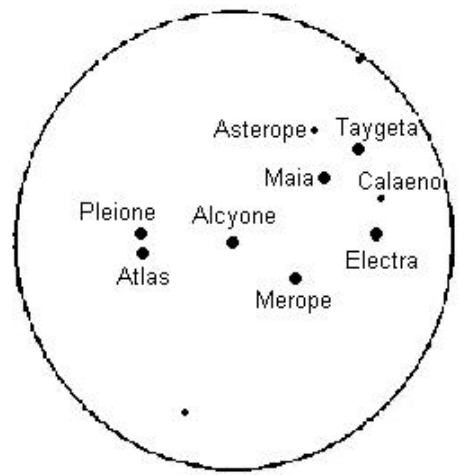
PERSEUS



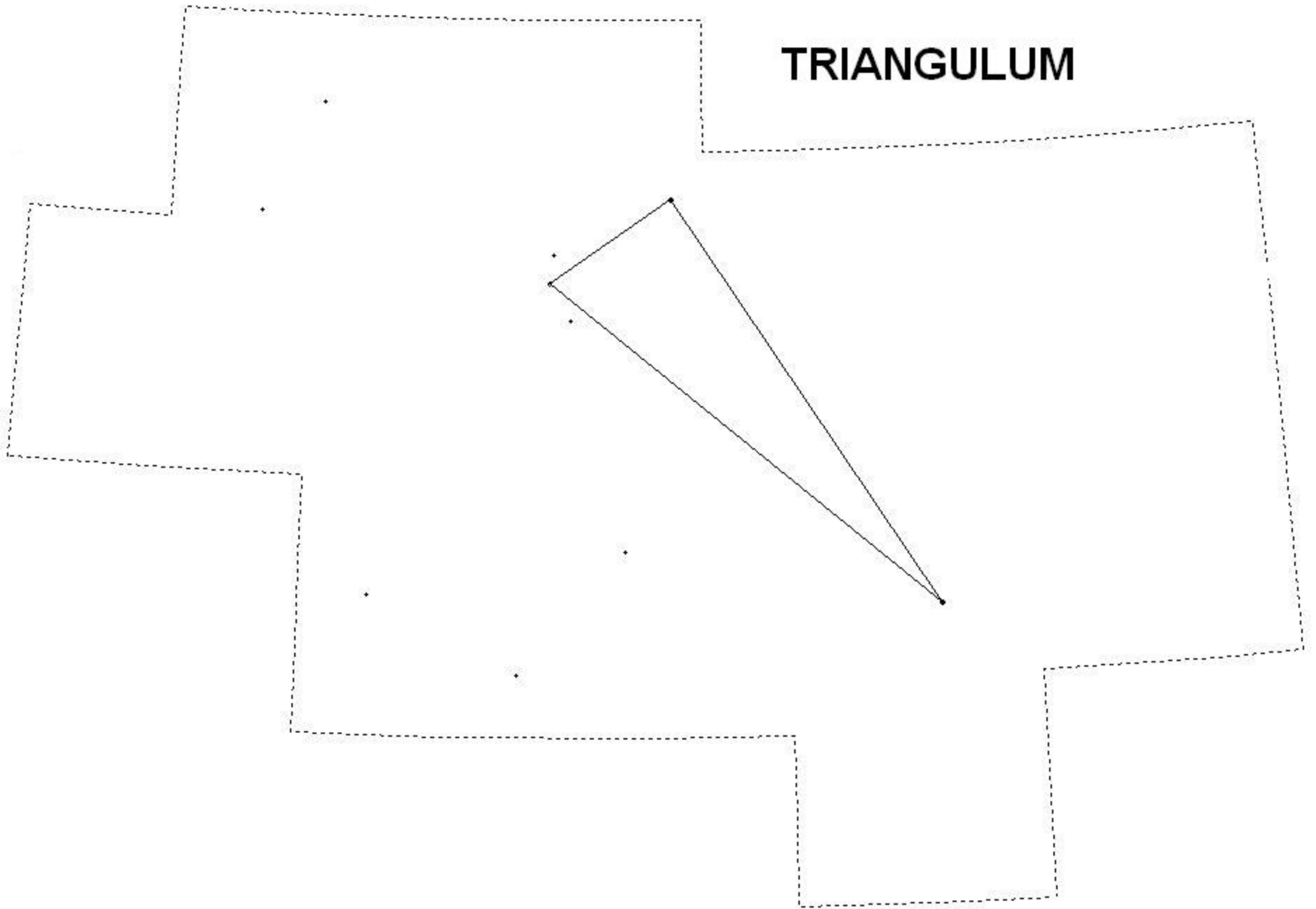
TAURUS

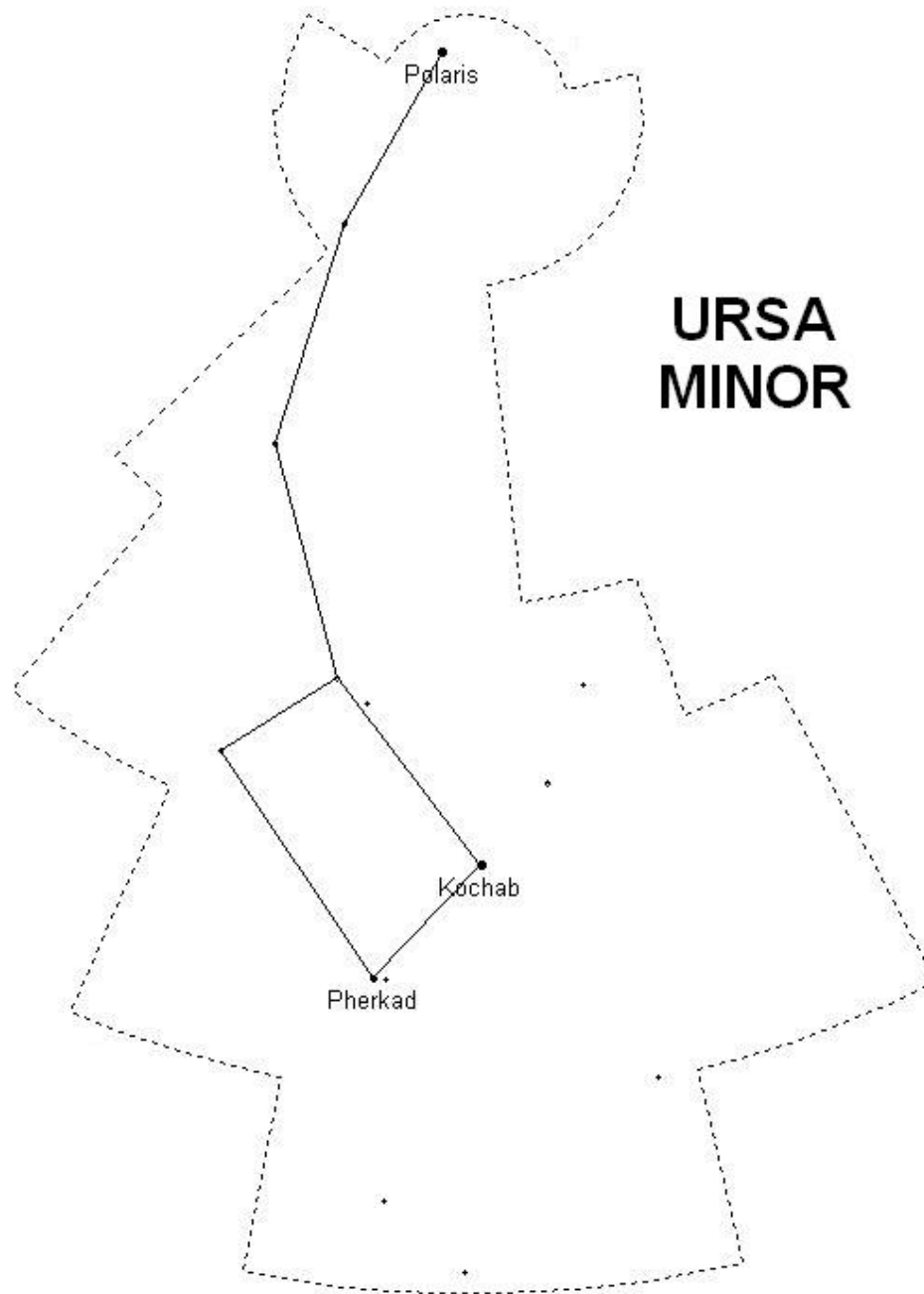


M45 Detail



TRIANGULUM





Polaris

**URSA
MINOR**

Kochab

Pherkad