

Hawk and Hornet 2026 Invitational: November 15th, 2025

Astronomy C Answer Sheet

Total: /88

Section A (General): /26

1) _____ 2) _____ 3) _____ 4) _____ 5) _____ 6) _____

7) _____ 8) _____ 9) _____ 10) _____ 11) _____ 12) _____

13) _____ 14) _____ 15) _____

16)	
2 pt	
17)	
2 pt	
18)	
2.5 pt	
19)	
2.5 pt	
20)	
2 pt	

Section B (DSO): ___/36

(1 pt each unless otherwise specified)

Question 1

a	
b	
c	
d	
e	
f	

Question 2

a	
b	
c	
d	

e	
f	

Question 3

a	
b	
c	
d	
e	
f	

Question 4

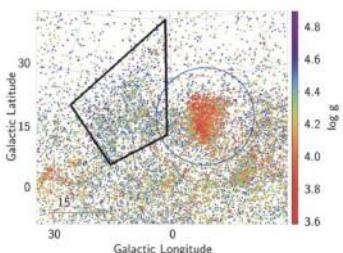
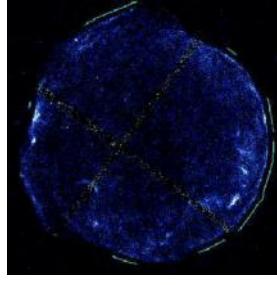
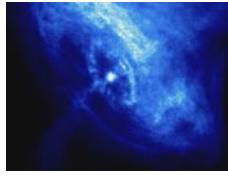
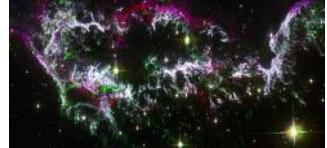
a	
b	
c (1.5 pt)	

d	
e	
f	

Question 5

a	
b	
c	
d	
e	
f	

Write the name of the DSO in the space provided above the images (0.5 each)

	 <p>A color-coded map of the Galactic Center showing density distribution in Galactic Longitude (x-axis, 0 to 30) and Galactic Latitude (y-axis, 0 to 30). The color scale ranges from 3.6 to 4.8 log g. A black triangle highlights a specific region, and a blue circle indicates the central concentration.</p>	
		
		
		
		

Section C (Astrophysics): ___/26

Question 1

a (1 pt)	
b (1 pt)	
c (1 pt)	

d
(2 pt)

e
(1 pt)

f
(2 pt)

g
(2 pt)

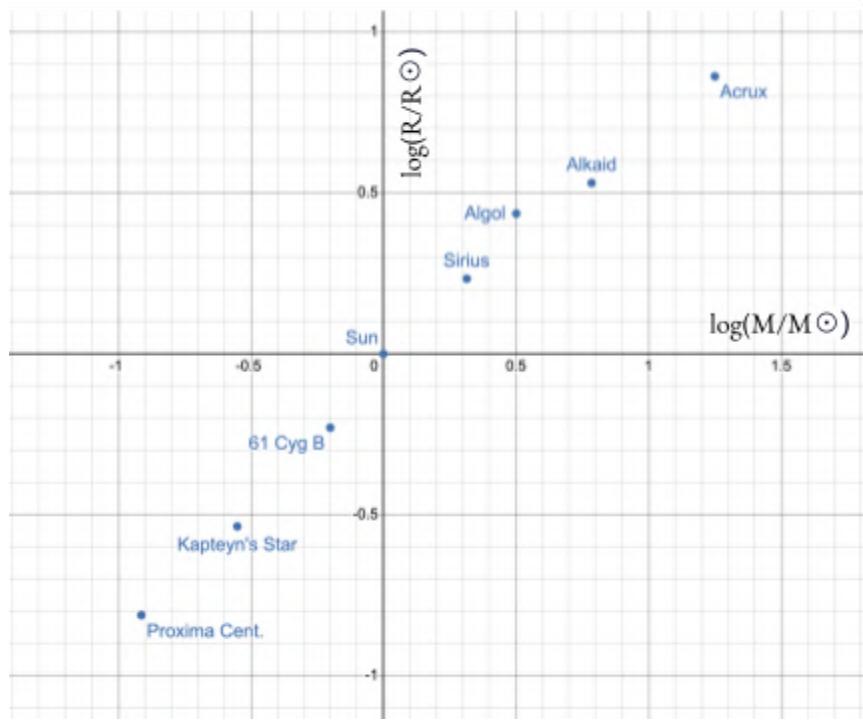
h
(3 pt)

Question 2

a (1 pt)	
b (1 pt)	
c (1 pt)	
d (1 pt)	

e
(2 pt)

f
(1 pt)



<p>g (1 pt)</p>	
<p>h (2 pt)</p>	
<p>i (1 pt)</p>	
<p>j (1 pt)</p>	

k
(1 pt)