



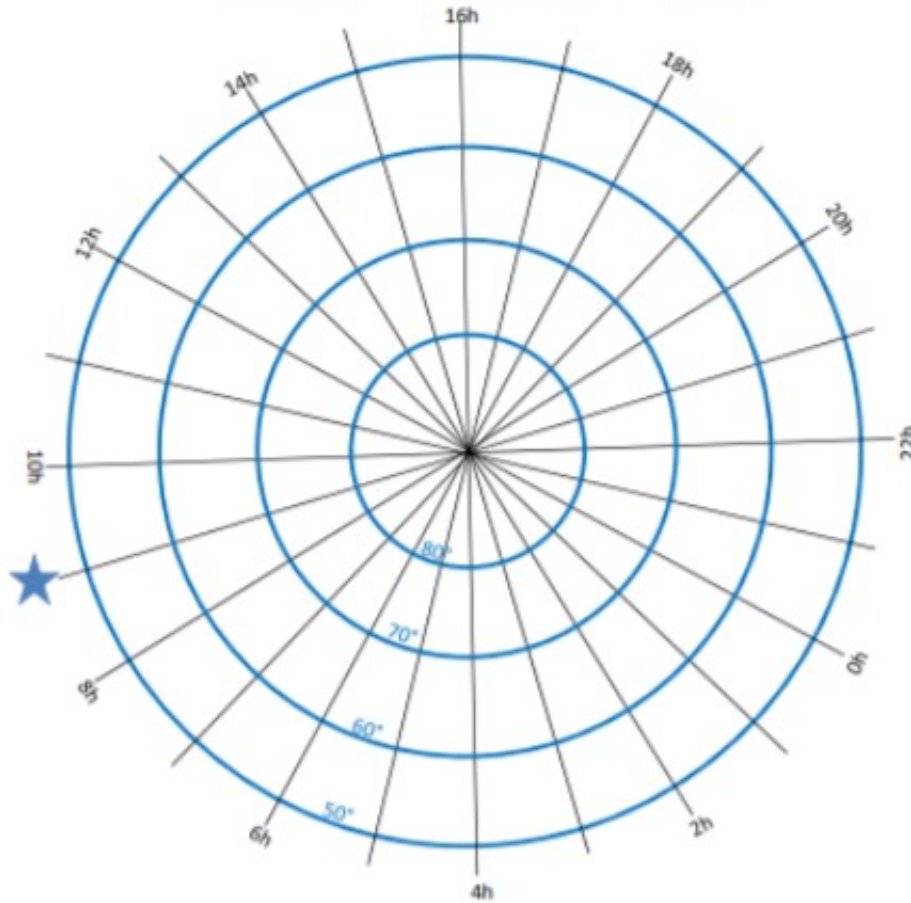
Monday 6.9.21

Extra Spicy



MPI: understanding and using co-ordinates

### Circumpolar Constellation Graphing



Graph these stars' coordinates. The points (stars) in each column make up that constellation.

<u>Ursa Minor</u>	<u>Ursa Major</u>	<u>Cassiopeia</u>	<u>Cepheus</u>	<u>Draco</u>
0h, 90°	13h45m, 50°	2h, 65°	0h, 78°	11h30m, 72°
17h, 85°	13h25m, 56°	1h30m, 60°	23h, 66°	14h, 67°
16h, 80°	12h50m, 58°	1h, 61°	22h40m, 58°	16h, 60°
16h20m, 77°	12h10m, 59°	0h45m, 57°	21h40m, 72°	17h15m, 67°
15h20m, 74°	11h50m, 55°	0h15m, 59°	21h30, 63°	18h30m, 75°
15h, 76°	11h, 58°			20h, 72°
	11h, 64°			18h, 57°
				18h, 52°
				17h30m, 53°
				17h30m, 56°



Monday 6.9.21

MPI: using a planisphere to identify constellations

1) Find 9 pm for today's date on your planisphere. Rotate the planisphere until today's date and 9 pm are lined up. Find North, South, East and West. Name a constellation on the Northern horizon \_\_\_\_\_ . Eastern Horizon \_\_\_\_\_ . Southern horizon \_\_\_\_\_ . And Western Horizon \_\_\_\_\_ .

2) Rotate the Star Wheel to June 1st at 8pm.

a) What constellation are rising in the East?

b) What constellation is setting in the West?

c) What constellation is closest to the zenith (highest place in the sky; center of the map)?

3) When is your birthday? \_\_\_\_\_ Line up 9 pm with your birth date.

Find a constellation that is rising in the East \_\_\_\_\_

Find a constellation that is setting in the West \_\_\_\_\_

Find a constellation that is in the southern sky \_\_\_\_\_

Find a constellation that is at your zenith \_\_\_\_\_

4) Locate Orion on the planisphere. What time will it rise tonight? \_\_\_\_\_

When will it be in the southern sky? \_\_\_\_\_

When will it set tonight? \_\_\_\_\_.

5) In what month is the Big Dipper (Ursa Major) highest in the sky at midnight?



