

## Sky Watching Homework

For this sky watching homework, I would like you to find the constellation **Orion** in the night sky, pictured below. Orion is a winter constellation, so it is easy to find at this time of year.

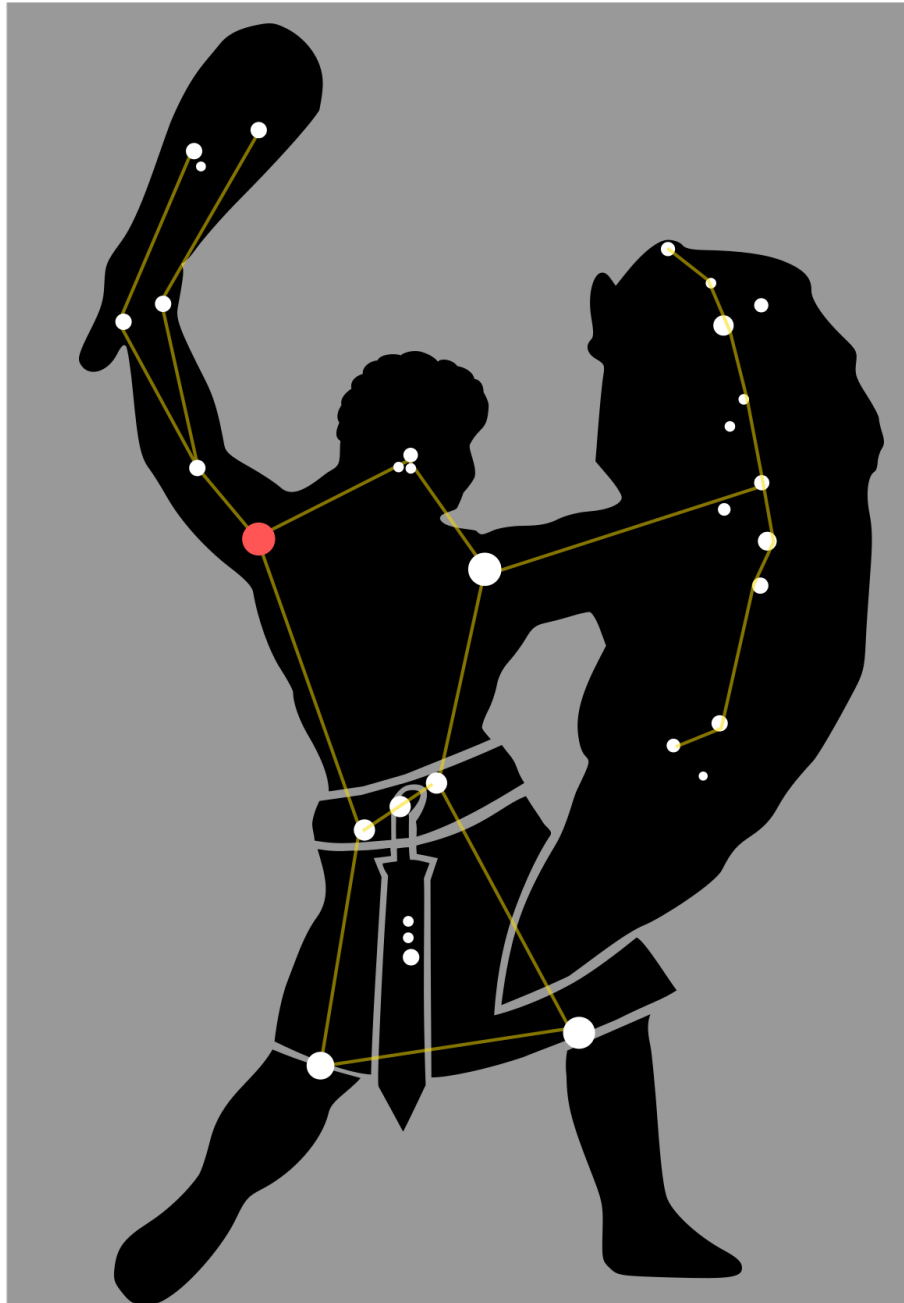


The constellation consists of several parts. The most recognizable part is a straight line of three stars (center of photo) that represents Orion's belt.

Hanging from Orion's belt is Orion's sword, which also consists of three bright stars in a straight line (they are the closely-spaced vertical arrangement of stars in the photo).

Once you spot the belt, with the naked eye you can also easily find two supergiant stars on opposite sides of his belt: Betelgeuse, a red supergiant (you may notice that it is visibly red to your eye) and Rigel, a blue supergiant (again, you can see that it is blue).

Betelgeuse is part of his upper body and is actually his armpit (the name Betelgeuse comes from the Arabic word for armpit). Rigel is part of his lower body, somewhere around his thigh. In the Star Walk settings, you can turn on the constellation art (similar to the image below) if you want to see this better.



Your assignment is to use the Star Walk app to find three things in the night sky:

- 1) Orion's belt,
- 2) Betelgeuse,
- 3) Rigel.

Center your Star Walk view on each of the three things and zoom in so that it is clearly visible and take a screenshot. Be sure you've turned off any constellation art before taking the screenshot. Ideally, for Betelgeuse and Rigel, the name of the star will be apparent in your screenshot.

Submit all three screenshots using the file upload option below.