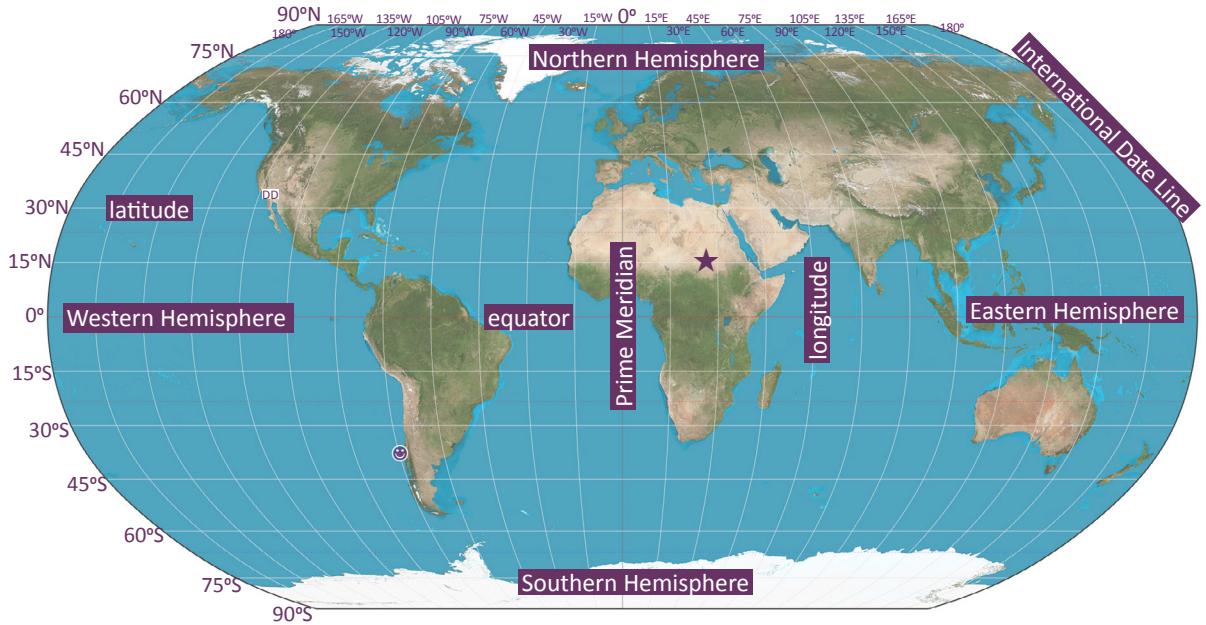
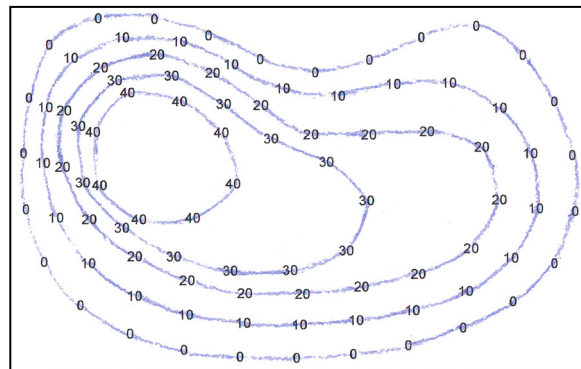


Label the Map



Draw



Analyzing Topographic Maps

What is the contour interval for this map? *5 meters*

The depth and height of the crater are identified with X's on the map (and are not contour intervals). How deep is the crater? How high is the rim of the crater at its highest point? If an astronaut hiked from the high point on the rim to the low point in the floor, to what depth (in meters) has she traveled? *7628 m; 7771 m; 143 m*

What is the lowest elevation of an index contour on this map? *7650 m*

What is the highest elevation of an index contour on this map? *7750 m*

Put a star on an area that you think would be a good place to land a spacecraft. If an astronaut wanted to hike the area going from her spacecraft to the opposite side of the mapped area, draw a line charting the path you recommend she take. What conditions of the terrain did you consider to make these decisions? *Answers will vary. Students should choose a flat area to land the spacecraft, and would most likely want to hike the flattest terrain.*