

## tcare 122: Quiz 6

1. [4] (Okasha) Describe the structure of the covering law model for scientific explanation.

2. [3] Name two problems with the covering law model for scientific explanation that Okasha discusses.

3. (Okasha)

(a) [1] What does an empiricist believe?

(b) [2] Do you think Hempel (the man who made the covering law from problems 1 & 2) was an empiricist? Why or why not?

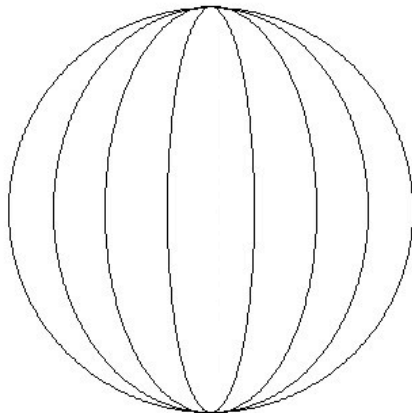
4. [1] In chapter 7 Lang takes preexisting origami designs and adds texture to them. Name one of the patterns that Lang works with in chapter 7.

5. [2] (Lecture 5/11) Give two characteristics that distinguished mathematicians of the 1800's from those that came before 1800.

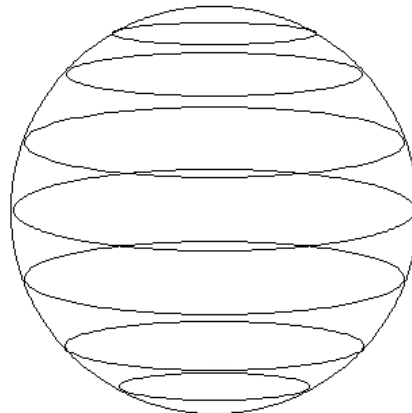
6. (5/11 Lecture) Recall that a geodesic is the shortest path between two points in a space.

(a) [1] What do geodesics on a patty paper look like?

(b) [3] A few paths are shown on the spheres below. Identify any of the paths that are geodesics.



**Lines of Longitude**



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