

Write a speculation on the 4th dimension. Be creative – think about what movement in the 4th dimension would be like, for instance. You may want to discuss how constrained life in the 3rd dimension would seem to residents of the 4th dimension. Be sure to really think about the ideas we've studied and to explicitly incorporate them into your musings. Your story or essay must, of course, have a sound basis in mathematics.

*Possible Points:* If your speculation is creative, mathematically sound, and substantive (i.e. at least a couple of pages), this can earn up to 30 points.