

Visit an art museum and discuss, with specifics, how this class affects what you see.

Since you can't measure anything in a museum, this project is less rigorous than the others. Some things you may experience:

- Perhaps you find that you are aware of the choices artists make in their framing – do you see a lot of rectangles that look as if they are golden?
- Maybe you notice what appears to be the use of proportion in the architecture.
- Using two pencils held in front of your face to find primary and secondary vanishing points, to identify viewing position for a perspective painting.
- (If you go late enough in the term:) perhaps you notice that an work looks to be somewhat fractalesque, or you find yourself looking at a cubist's work and thinking about whether the fourth dimension influenced that piece.

*Possible points:* A qualitative discussion about a museum visit that discusses how your view of a museum visit overall has been changed, that sounds sincere and has some details but which doesn't have much mathematical depth (perhaps simply because there were no works of art that allowed for much mathematical thought) can earn 3-7 points. If you were, for instance, able to actually find a painting in rigorous one-point perspective that contained a tile floor which allowed you to identify the viewing position, and if you were able to describe your process, this could earn 10-15 points.