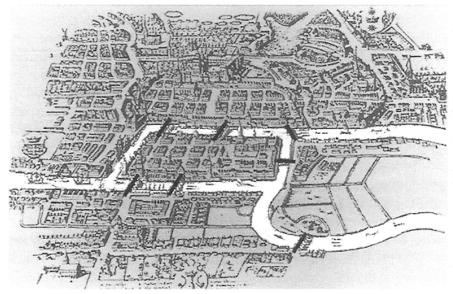
Please answer each question carefully and completely. If you feel a question is ridiculous then you must give a ridiculous answer. Every question on this test can be answered, but snark and clever drawings are accepted as well.

Name:		
Name:		

- 1. (20 points) Using watercolors, draw a picture of water:
- 2. (20 points) Which is the shortest Olympic swimming event, in meters?
  - A. 1500 Freestyle
  - B. 75 Sidestroke
  - C. 200 Breaststroke
  - D. 242 Floppy Baby
  - E. 400 I.M.
  - F. sofree
  - G. 400 Medley Relay
  - H. 25 Neckstroke
- 3. (90 points) Every afternoon Immanuel Kant goes for the exact same swim at the exact same time under the bridges of Königsberg. Jean-Jacques Rousseau has challenged him to vary his routine by swimming underneath each of the city's bridges exactly once:



- (a) (30 points) How is this possible?
- (b) (30 points) What stroke should Kant swim to meet this challenge?
- (c) (30 points) Consider your answers to parts a and b...
  - i. (15 points) Is this solution a synthetic or analytic truth?
  - ii. (15 points) Can it be true a priori?

	swimming 6741km away in Nemuro, heading East at 2km/h. Assuming both can swim continuously for 3 hours before exhaustion, how close will they get to each other before realizing they're late for swim practice?
5.	(10 points) What would happen if a crawlstroker just got up and walked?
6.	(11 points) Which of the following are appropriate uses for a kickboard?
	○ Standing on
	○ Throwing
	○ Supporting one's upper body while kicking
	○ Tasteful charcuterie arrangements
	○ Bludgeoning
	○ Naming and keeping as a pet
	○ Sitting on
	○ Surfing on
	O Building a castle between swim sets
7.	(5 points) About how far apart, in yards, should one's legs be when doing the dolphin kick?
8.	(40 points) Would you like to have a siphon jet like an octopus to aid in propulsion? If so, why? If not, why not?
9.	(30 points) What angle $\theta$ must your body rotation be less than when finishing the backstroke leg of the I.M.? (Hint: $\cos \theta = 0$ )
10.	(15 points) When should you perform the dolphin kick in breaststroke?  A. Never
	B. Immediately after the start, before hitting the water
	C. Under the full moon while contemplating nature's deepest secrets
	D. Right before or during the underwater pull at the start of each length
	E. As the finishing blow in mortal combat against a shark who came back from the future to stop humankind from making a terrible mistake. It was only trying to save us but a tragic misunderstanding led to the seeming inevitability of history. Oh Future Shark, why must we fight? How did it come to this? *WHACK*
	F. While studying for this exam
11.	(25 points) Please provide a complete list of substances stored at Queen Anne Pool that are required to have an NFPA 704-compliant marking or MSDS on file:

4. (15 points) Xiuzhen begins swimming in Astoria, heading West at 3km/h. At the same time, Vetri begins