

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: _____

1. (20 points) Why is your coach like this?

2. (30 points) The Squirrel Circle:
 - (a) (10 points) A squirrel has gotten into the natatorium and climbed up the whiteboard. Coach George tries to catch the squirrel, but it scurries around to the opposite side to keep the board between them such that its back is never turned to him. As George gives chase, can it be said that he is circling the squirrel?

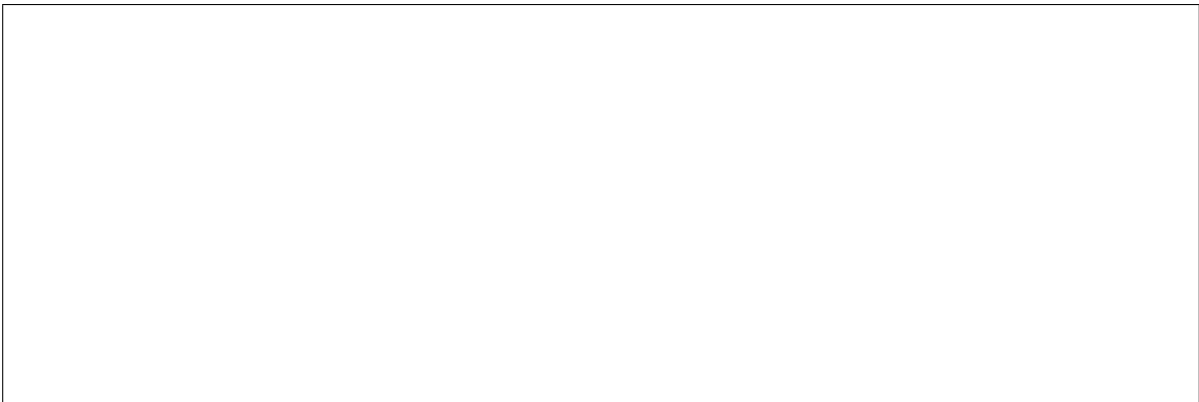
 - (b) (20 points) Is this ever a worthwhile thing to argue about?

3. (30 points) Zeno's Freestyle

In order to swim faster, a swimmer must change the part of the water they occupy. At each moment the swimmer is exactly in their place, neither moving to another space (since this is an instant in time) nor to where they are (since they are already there). Given these revelations, is swimming even possible? Prove that it is without resorting to *solvitur natandi*.

4. (19 points) Which of the following types of cloud indicate favorable weather for swimming outdoors?
 - A. Towering Cumulonimbus
 - B. Cumulus
 - C. Cirrus
 - D. Advective Fog
 - E. Lenticular
 - F. Noctilucent
 - G. Malodorous

5. (20 points) Draw a picture of a giraffe doing a flip turn.



6. (60 points) Read the following fragment from a philosophical dialogue by the forgotten Presocratic philosopher Dendromates, then answer the following questions:
- (a) (10 points) What is the name of Sidestroke's cat?
 - (b) (10 points) What place did Freestyle get in the pool's spelling bee?
 - (c) (10 points) Is it true that Butterfly deeply regretted their treatment of Elementary Backstroke?
 - (d) (5 points) In Dendromates's foundational work *Preontological Monads: a Contrapunctual Treatise on Equiprimordiality in Aquatic Hermeneutics* what conclusions did he draw about the epistemic implications of Freestyle's head position?
 - (e) (25 points) Why is it bad to follow Freestyle's advice to Butterfly during a race or a fast set?

[FREESTYLE is swimming relaximum down the lap lane when they see BUTTERFLY passing them on the left.]

FREESTYLE: Greetings, BUTTERFLY! Here, let me keep right for you.

BUTTERFLY: FREESTYLE, my old friend! How are things?

FREESTYLE: Efficient as ever, BUTTERFLY. Are you still hanging out with BACKSTROKE and BREAST-STROKE?

BUTTERFLY: Not as much, I'm afraid. It seems the Major Strokes have less and less time for me these days.

FREESTYLE: Well it's their loss I hope you know.

BUTTERFLY: I haven't paid it much mind. Say, do you see who that is up ahead?

FREESTYLE: I'm afraid not, as I can only look down at this line and over to you. Who is it?

BUTTERFLY: Why, it's ELEMENTARY BACKSTROKE! I don't think he's noticed us yet, staring up at the stars as he always does. Shall I say hello?

FREESTYLE: Leave him be, BUTTERFLY. He has enough trouble swimming down the lane without us knocking him over. Plus I'm not interested in another of his rambling sto—

ELEMENTARY BACKSTROKE: Ho there, look out where you splash!

FREESTYLE: Now you've done it!

BUTTERFLY: Oops!

ELEMENTARY BACKSTROKE: Is that BUTTERFLY I hear? I haven't seen you since that swim meet ages ago, back when you were still BREASTSTROKE! Seeing you reminds me of this chicken I saw...

FREESTYLE: Look, an airplane!

ELEMENTARY BACKSTROKE: Where?!

[ELEMENTARY BACKSTROKE holds still on his back, like a soldier, looking for the airplane as FREESTYLE and BUTTERFLY quietly move on.]

BUTTERFLY: That was close!

FREESTYLE: Next time don't thrash about so much!

BUTTERFLY: I can't help it, moving like this is exhausting.

FREESTYLE: You should try gliding a little bit when your arms land in front of you, like I do.

[BUTTERFLY calms the heck down, finally getting a moment's rest.]

BUTTERFLY: Well I'll be! This is slower but it's a lot easier to do for long periods of time. I'll have to remember this the next time I'm doing a long set!

FREESTYLE: You're welcome old buddy. Well the gnomon's almost at the top and I've gotta go. I'll see you in the next I.M. set!

[The two strokes part ways and didn't see each other until the next practice, when they both got in the water on time for the start of warm-up and didn't skip any yards because that's how this is supposed to work.]