

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 will be accepted as well.

Name: _____

1. (10 points) Which of the following items is acceptable PPE when handling bodily fluids?

A. Newspaper	E. L ^A T _E X Typesetting
B. Nitrile gloves	F. Just blow on it
C. Paper towel	G. Deeply-held conviction
D. The hem of your shirt	H. A bystander's hand

2. (20 points) If you are performing abdominal thrusts on a victim who suddenly loses consciousness, which of the following techniques should be performed?

A. Deep-water spinal resuscitation	F. Agonal vomiting
B. Unconscious choking for CPR	G. Breathless neck compression
C. Secondary abdominal assessment	H. Teleological ontology
D. Abandonment	I. Gingerly place the victim on your foot
E. Submerged noumenal hermeneutic	J. Modified Abrasive Brachial Extraction

3. (35 points) A lifeguard is scanning a 25-yard pool and observes a group of swimmers thrashing in the deep end. After activating the EAP, the lifeguard enters the water via compact jump from the lifeguard tower. Using a modified crawlstroke they approach the group and discover that they are not in any trouble after all. Just then one of the swimmers in the group gets a leg cramp and inhales some water, quickly progressing into a state of active drowning. Answer each question below and provide a detailed explanation of your reasoning.
 - (a) Was the swimmer *in extremis*?

 - (b) Was the lifeguard's belief that the swimmer needed help justified?

 - (c) Was it true?

 - (d) If so, was it true *sub specie æternitatis*?

 - (e) Is this truth synthetic or analytic?

4. (300 points) What is the correct use of a cell phone while on duty?
 - A. Using the Red Cross Lifesaving App to rescue a drowning victim
 - B. Silencing it as you put it away in your locker
 - C. Comparing your rescue times to the global leaderboard
 - D. Posting cringe
 - E. Esports
 - F. Streaming to your fans for those sweet ad impressions

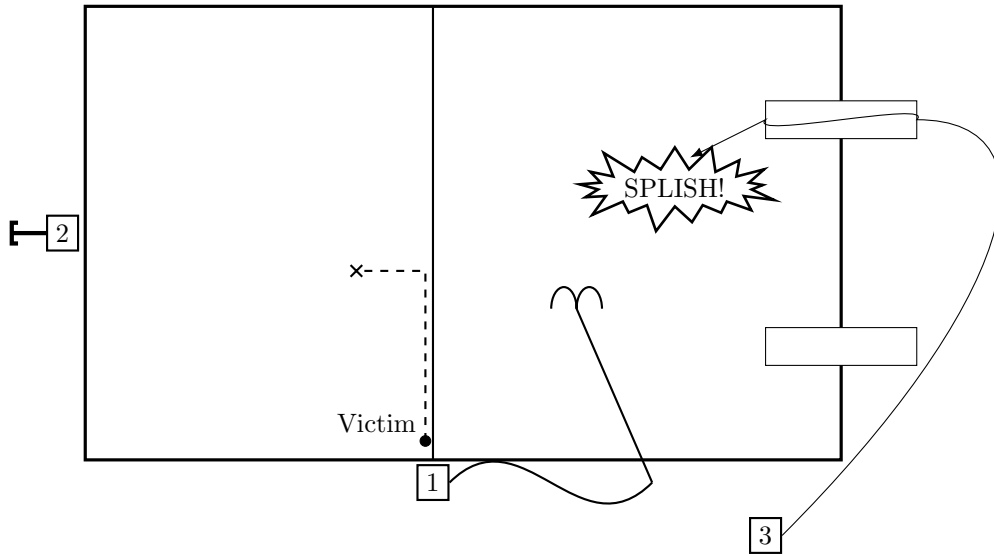
5. (40 points) The date is December 9, 1986. You are gazing across the frigid waters of the Baltic sea when an ill wind hisses Southeast, giving the sunrise a cruel bite and filling your bones with an ominous chill. Since the sea claimed Mārtiņš last year you've had a harder time out here, and more and more your mind wanders perilously on these dark mornings.

Unable to choose between the sun's harsh light and the wind's indifferent battering, your gaze settles on a small patch of water shielded from glare and chop alike by the shore's jagged wanderings. Your eyes see it long before your mind does: a figure moving with the erratic consistency of someone who has lost their fight with the waves, and you may not have even come out of your reverie to act had Līga not shouted from somewhere behind you. From there it was a conditioned reflex of setting oars and rowing frantically such that you were halfway to the figure in the water before remembering that Līga was herself claimed by these waters just last week.

Faster and faster you row, and just as you feel your legs and back can take no more you arrive at the crag, a child of no more than eight or nine bobbing weakly against the side of your dinghy. After dragging the unconscious figure to the nearest shore you begin to provide care:

- (a) (5 points) How do you determine whether CPR is necessary, and what is the ratio of compressions to breaths that you should perform if it is?
- (b) (5 points) What should you do if the breaths do not go in?
- (c) (5 points) How are you supposed to react to the victim's close resemblance to yourself?
- (d) (5 points) If a second rescuer arrives, how does this change things?
- (e) (4 points) When should you stop performing CPR?
- | | |
|----------------------|-----------------------|
| i. (1 point) _____ | iv. (1 point) _____ |
| ii. (1 point) _____ | v. (-1 points) _____ |
| iii. (1 point) _____ | vi. (-1 points) _____ |
- (f) (5 points) You have the same horrible dream every night, waking in a panic and covered in sweat, throat hoarse. Without resorting to Jungian analysis, explain what you think it means.
- (g) (5 points) You try to remember some other time, some other place, but it feels like you've been here forever and nothing exists outside this moment's eternal repetition. What pleasant memory eludes your mind's desperate reach?
- (h) (5 points) Explain how this relates to the BOFA model as outlined in your Red Cross Lifeguarding Manual.

6. (130 points) Analyze and interpret the following diagram of a rescue.



(a) (40 points) Describe the events of the rescue as though you were filling out an official report.

(b) (5 points) Was the victim saved? _____

(c) (50 points) Could anything have made this rescue cooler?

(d) (35 points) When using the rope swing to facilitate a deep water rescue, what is the most appropriate thing to shout?

7. (20 points) The time is 4:14am and Agrias Oaks is guarding an outdoor pool at night at $44^{\circ}31'30.2''N$, $110^{\circ}50'17.5''W$ when the moon begins to descend in the sky exactly opposite the water from her. Fearing the intense glare but wanting to move her station as little as possible for other safety reasons, she has the new staff lift the guard tower like a palanquin and slowly carry it to stay ahead of the problem.

Figure 1: Some useful information about the sky

$\odot 25^{\circ}59' \text{ } \text{♏}$	$\♂ 7^{\circ}58' \text{ } \text{♄}$	$\Psi 28^{\circ}35' \text{ } \text{♋}_x$	$A^{\circ} 22^{\circ}14' \text{ } \text{♍}$
$\text{☾} 0^{\circ}30' \text{ } \text{♏}$	$\text{♃} 20^{\circ}37' \text{ } \text{♈}$	$\Psi 29^{\circ}46' \text{ } \text{♌}_x$	$M^{\circ} 12^{\circ}40' \text{ } \text{♉}$
$\text{♁} 15^{\circ}21' \text{ } \text{♏}$	$\text{♁} 15^{\circ}15' \text{ } \text{♋}_x$	$\text{♁} 7^{\circ}2' \text{ } \text{♏}_x$	$D^{\circ} 22^{\circ}14' \text{ } \text{♏}$
$\text{♀} 24^{\circ}17' \text{ } \text{♈}$	$\text{♁} 27^{\circ}8' \text{ } \text{♏}_x$	$\text{♁} 22^{\circ}21' \text{ } \text{♏}_x$	$\text{♀} 12^{\circ}40' \text{ } \text{♈}$

In what direction and at what speed will the guard tower need to be carried to see the water assuming that Agrias's eye level is a constant 9'10" above the water's surface?

8. (100 points) A swim coach, who has been fully certified as a lifeguard, turns her attention from the pool to break up a fight between a swim team parent and a passerby whose dog just bit a five-year-old boy. The coach asks a student manager for the team, who is currently taking the lifeguard class but has to retake this very exam in order to pass, to take over surveillance.

While she is breaking up the fight the coach sustains multiple stab wounds (four from the parent and two from the passerby, but the two cut deeper and more viciously than the four) and possibly contracts rabies from biting the dog. A swimmer in lane 5 has in the meantime suffered a heart attack and is falling to the bottom of the pool. Their teammates are oblivious to this, however, as their coach had blacked out their goggles as part of an exercise to perform better when equipment fails during competition.

The student manager who had been left in charge is suffering from a migraine, has a sprained ankle, and only got two hours of sleep because he was studying for an ethics midterm. The teacher of the ethics class, whose grading is strict and capricious and whose son is the one who was bitten by the dog, wants to pass the student in the class but wants to do so for reasons *contra bonos mores*. For most but not all of these afflictions the student cannot focus on the water, so not only does he not notice the swimmer drowning in lane 5 but he also physically interferes with a passerby who is running on the deck to save the drowning swimmer.

All of this happens in a mechanistic universe set in motion by a well-intentioned and caring demiurge who did not anticipate this outcome and would not have willed it as such.

- (a) (95 points) What percentage of blame, to three significant figures, does each party bear in the fortunes of the drowning swimmer in lane 5? Be as detailed as possible, and include parties not mentioned explicitly in this example if necessary.

- (b) (5 points) What percentage of blame is borne by the author of this question?

9. (20 points) When responding to an AFR, what flavor of chlorine should be added to the water?

10. (10 points) Which member of your facility's safety team is responsible for unlocking the cardiac chain of survival and loosing the AED upon the victim?

11. (15 points) List three uses for a rescue tube:

- (a) (5 points) _____
(b) (5 points) _____
(c) (5 points) _____