HW 1 GENERAL GRADING KEY

Question 1: (Checked by Sami)

Section a:
1. Not mentioning that values return in the EAX register (-3).
2. Not mentioning that values are transferred using registers at all (-5).
3. What we mainly wanted to see in this question was that you, first of all you got it right, and second of all you mentioned points 1 & 2. Other minor inaccuracies were mostly ignored :).

Section b:
1. Not mentioning the main reason why Tokyo’s implementation does not work (-6).
2. Claiming that either Rio’s or El Professor’s implementations are incorrect (-8).
3. Not mentioning the main disadvantage in Rio’s implementation (-8).
4. Not mentioning the main disadvantage in El Professor’s implementation (-8).
5. What we wanted to see in this question is that you understand that Rio and El Professor’s implementations are correct. Any minor inaccuracies in your explanations as to why they are okay or how they were used and implemented were ignored.

Question 2 (Checked by Omer):

Section 1 A:
- Mentioning that Lior was right and not mentioning the fact that the sons of a father go to Init after the father exits. (-8)

Section 1 B:
- Calling exit instead of exit(NULL) - no points were deducted.

Section 2:
- Not mentioning that the problems arises from the way linux computes the PCB and note mentioning ‘current’ (-10)
- Not mentioning how the ‘current’ is computed in Linux (-2).

Section 3 A:
- A mistake in one of the arrows (-4).

Section 3 B:
- Gave their own specific code that uses family relations and not an example of a syscall (-5).
- Gave a function that a syscall uses, but is not a syscall itself (like do_exit) (-2).

NOTE: This is a general correction key, the staff has the right to deduct more points for other incorrectness in your solution, if they see so fit.