**Week 1 Paper Practice**

For each of the following snippets of code, execute it by hand and write down what you think Python would compute as the answer. Then type it into the Python interpreter and see what answer it gives you.

1. $5 + (4 + 3)$
   - Your Guess: ________
   - Actual: ________

2. $(5 + 4) + 3$
   - Your Guess: ________
   - Actual: ________

3. $5 * (4 * 3)$
   - Your Guess: ________
   - Actual: ________

4. $(5 * 4) * 3$
   - Your Guess: ________
   - Actual: ________

5. $5 - (4 - 3)$
   - Your Guess: _______
   - Actual: ________

6. $(5 - 4) - 3$
   - Your Guess: ________
   - Actual: ________

7. $16 // (4 // 2)$
   - Your Guess: ________
   - Actual: ________

8. $(16 // 4) // 2$
   - Your Guess: ________
   - Actual: ________

9. $2 * *(3 * *2)$
   - Your Guess: ________
   - Actual: ________

10. $(2 * 3) * *2$
    - Your Guess: ________
    - Actual: ________

11. `type(5)`
    - Your Guess: ________
    - Actual: ________

12. `type(5.0)`
    - Your Guess: ________
    - Actual: ________

13. `type(5 + 5.0)`
    - Your Guess: ________
    - Actual: ________

For each of the following, add parentheses to produce the indicated result. You can only add parentheses - you may not change the operators, the operands, or the order. When you think you have the answer try it in Python.

14. $1 + 2 * 3 * 4$: 36
15. $1 + 2 * 3 * 4$: 28
16. $1 + 2 - 3 + 4$: 4
17. $1 + 2 - 3 + 4$: -4
18. $3 * 1 + 1 * 1 + 1 * 2$: 14
19. $3 * 1 + 1 * 1 + 1 * 2$: 12
20. $3 * 1 + 1 * 1 + 1 * 2$: 48