

**PURPOSE:**

Practice evaluating Boolean and arithmetic expressions

**TASKS:**

Evaluate these arithmetic expressions (generated by `rand_Expression1.py`):

1.  $10 + 5 + 2 - 1 =$  \_\_\_\_\_

2.  $11/2 + (7 - 3) * 2 =$  \_\_\_\_\_

3.  $4 + 4 * 2 - 8 =$  \_\_\_\_\_

4.  $12 / 4 - 18 / 9 =$  \_\_\_\_\_

5.  $10 / 2 * 12 - 2 =$  \_\_\_\_\_

6. Given this truth table for AND fill in the appropriate values. You must include this exact – **same column and row headers** – (completed) table in your answer!:

AND	FALSE	TRUE
TRUE		
FALSE		

Given these values, determine if the expressions below yield TRUE or FALSE.

`x = 77`      `y = 16`      `studious = true`      `tired = false`

7. `(x == 77) or (studious != true) :` \_\_\_\_\_

8. `(x == 77) and (studious != true):` \_\_\_\_\_

9. `(x == 77) and (studious == false):` \_\_\_\_\_

10. `y >= 16:` \_\_\_\_\_

11. `(tired == true) and (studious == false):` \_\_\_\_\_

**DELIVERABLES:**

A single MS Word document.

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<sup>1</sup> The number in () corresponds to the assignment number on the Franklin University web page and should be used when you submit your assignment via dropbox for proper credit.