* 1) Expression to evaluate: (NOT A OR B) AND (C AND D)

Given the following variable values: A = False. B = True. C = True. D = False.

1. Replace Variables with values; (NOT False OR True) AND (True AND False)
2. Evaluate the components inside of parentheses (True OR True) AND (True AND False)
3. Finish inside of parentheses (True) AND (False)
4. True AND False is equal to False

* 2) Expression to evaluate: (A OR B) AND (NOT C)

Given the following variable values: A = False. B = True. C = False.

1. (False OR True) AND (NOT False) replace variables.
2. (False OR True) AND (True) solve NOTs
3. (True) AND (True) is equal to True

* 3) Expression to evaluate: (A < B) OR (C == True) AND (NOT (A > B))

Given the following variable values: A = 5. B = 8. C = True.

1. Replace variables (5 < 8) OR (True == True) AND (Not (5 > 8))
2. Simplify parentheses (True) OR (True) AND (True)
3. True AND True
4. Equals True