==========
Problem 1.A
True : 0
==========
Problem 1.B
False: 2
==========
Problem 1.C
False: 10
==========
Problem 1.D
False: 2
==========
1.E
Negated statement is True: 5
Original is True: 5
Since original and negated are equal, De Morgan's Law for Existential Quantifiers Holds
==========
Problem 1.F
Negated statement is True: 5
Original is True: 5
Since original and negated are equal, De Morgan's Law for Universal Quantifiers Holds
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Problem 2.A
False: x = 1, y = 2
==========
Problem 2.B
True for all X and Y
==========
Problem 2.C
True for all X and Y
==========
Problem 2.D
False: x = 1, y = 2
==========
Problem 2.E
False: x = 2, y = 1
==========
Problem 2.F
True: x = 1, y = 1