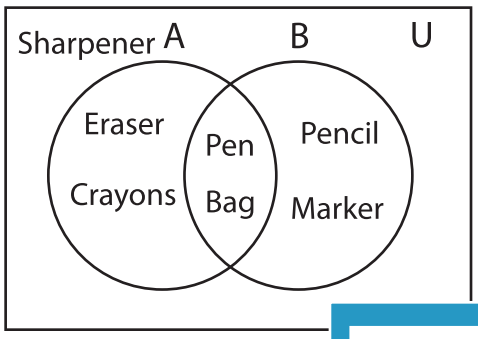
Name : _____ Score : _____

Venn Diagram

L3S2

Perform the below mention boolean algebraic operation for the given set of elements.

1)

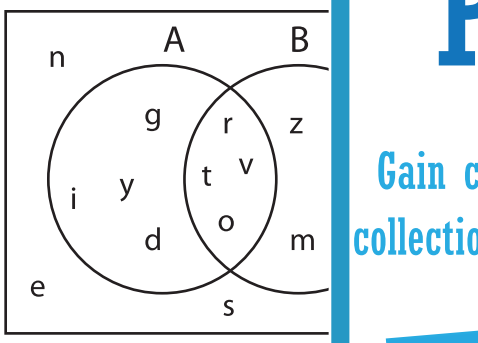


i) (A – B′) U (B′ – A) = _____

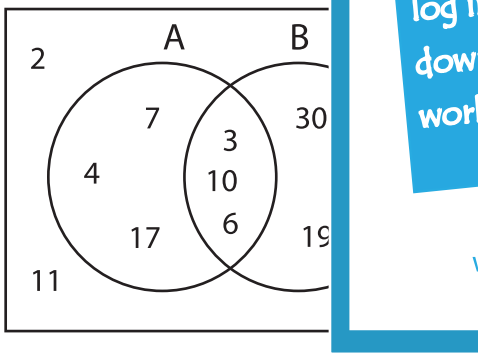
ii) (A ∩ B)′ – (A′ ∩ B′) = _____

iii) (A′ U B′) ∩ (B U A)′ = _____

2)



3)



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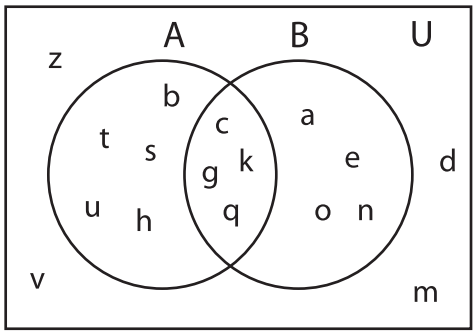
4)



i) (B′ U A) ∩ (A – B′) = _____

ii) (A – B)′ – (A′ ∩ B) = _____

iii) (B – A′) U (A′ – B) = _____