

Part 5.5: Venn Diagrams Terminology Exercise

Match the diagrams with the probability way of writing it.

P(A ∩ B')	A B	P(A)	A B
P(A∩B)	A B	P((A∩B) U (A'∩B'))	A B
P(A' ∩ B)		P(B')	
P(A U B)'	A B	P(A U B')	A B
P(A')		P(A∩B)'	A B
P((A∩B') U (A'∩B))	A B	P(A' U B)	A B
P(B)	A B	P(A U B)	A B



Part 5.5 Answers

P(A ∩ B')	A B
P(A ∩ B)	B
P(A' ∩ B)	A B
P(A U B)'	A B
P(A')	A B
P((A∩B') U (A'∩B))	A B
P(B)	A B

P(A)	A B
P((A∩B) U (A'∩B'))	A B
P(B')	A B
P(A U B')	A B
P(A ∩ B)'	A B
P(A' U B)	A B
P(A U B)	A B