

(a)

STUDENT	FN	LN
	Susan	Yao
	Ramesh	Shah
	Johnny	Kohler
	Barbara	Jones
	Amy	Ford
	Jimmy	Wang
	Ernest	Gilbert

INSTRUCTOR	FNAME	LNAME
	John	Smith
	Ricardo	Browne
	Susan	Yao
	Francis	Johnson
	Ramesh	Shah

(b)

FN	LN
Susan	Yao
Ramesh	Shah
Johnny	Kohler
Barbara	Jones
Amy	Ford
Jimmy	Wang
Ernest	Gilbert
John	Smith
Ricardo	Browne
Francis	Johnson

(c)

FN	LN
Susan	Yao
Ramesh	Shah

(e)

FNAME	LNAME
John	Smith
Ricardo	Browne
Francis	Johnson

FN	LN
Johnny	Kohler
Barbara	Jones
Amy	Ford
Jimmy	Wang
Ernest	Gilbert

FIGURE 6.4 The set operations UNION, INTERSECTION, and MINUS. (a) Two union-compatible relations. (b) $\text{STUDENT} \cup \text{INSTRUCTOR}$. (c) $\text{STUDENT} \cap \text{INSTRUCTOR}$. (d) $\text{STUDENT} - \text{INSTRUCTOR}$. (e) $\text{INSTRUCTOR} - \text{STUDENT}$.