

Section 9.1

① a) $p \vee \sim q$

b) Pete lives in California ^{and} but Quinn does not.

$$p \wedge \sim q$$

c) $q \rightarrow \sim p$

d) Pete does not live in California
and Quinn does not live in California.

$$\sim p \wedge \sim q$$

Alternatively: $\sim(p \vee q)$

e) $\sim(p \wedge q)$

Alternatively: $\sim p \vee \sim q$

② a) Fan has not taken finance.

b) Fan has taken economics or finance.

c) Fan has taken economics and Fan
has not taken finance.

Alternatively: Fan has taken economics but
Fan has not taken finance.

d) If Fan has not taken economics then Fan has
not taken finance.



Alternatively:

Fan has not taken economics implies

Fan has not taken finance.