

## Law of Detachment

$P \rightarrow Q$

$P$

$\therefore Q$

### Ex. 1

If a boy is eligible to play H.S. football, he must be passing 3 subjects

Bob is on the H.S. football team

Therefore, Bob is passing 3 subjects

### Ex. 2

If a boy is an athlete, then he is healthy

Jack, a boy, is an athlete

Therefore, Jack is health

**Ex. 3**

**If a boy is an athlete, then he is healthy**

**Jack, a boy, is healthy**

**Therefore, Jack is athlete**