Twelve ways to say: $p \Rightarrow q$.

- (I) If p, then q.
- (II) If p, q.
- (III) q if p.
- (IV) q when p.
- (V) p is sufficient for q.
- (VI) q is necessary for p.
- (VII) A sufficient condition for q is p.
- (VIII) A necessary condition for p is q.
 - (IX) p implies q.
 - (X) p only if q.
 - (XI) q whenever p.
- (XII) q follows from p.

Try these with some everyday statements. For example:

- p: It rains.
- $p\colon$ You score 100% on the final.
- p: It is sunny.

Or some mathematical statements:

- p: n is a positive integer.
- p: A positive integer n is divisible by 9.
- p: n is a positive integer.
- $p: x^2 < x$

- q: WWU's Red Square is wet.
- q: You get an A in the class.
- q: We go to the beach.
- $q: 2n^2$ is not a square number.
- q: The sum of the digits in n is divisible by 9.
- q: n(n+1) is even.
- q: x > 0 and x < 1.