

2. (a)  $P$  : The number 25 is even

$Q$  : The number 25 is a power of 3

$$\boxed{P \wedge Q}$$

(b)  $P$  : 14 is a prime number

$$\boxed{\neg P}$$

(c)  $P$  : A number is even

$Q$  : A number is odd

$$\boxed{P \vee Q}$$

(d)  $P$  : I am not here

$Q$  : I am probably somewhere else

$$\boxed{P \Rightarrow Q}$$