

Example Find $A \cup B$, if $A = \{d, e, f, g\}$ and $B = \{d, o, g\}$

To find the union we are looking for elements that belong to either set. That would include elements that belong to both sets. What that means is we join the two sets together, therefore

$$A \cup B = \{d, e, f, g, o\}$$