p = "The election is decided"

and q= "The votes have been counted,"

a) ¬p

=The election is not decided.

 b) p ∨ q

= The election is decided or the votes have been counted

c) ¬p ∧ q

= The election is not decided and the votes have been counted.

d) q → p

= If the votes have been counted, the election is decided.

e) ¬q → ¬p

= If the votes have not been counted, the election is not decided.

f) ¬p → ¬q

=If the election is not decided, the votes have not been counted.

g) p ↔ q

= The election is decided only if the votes have been counted.

h) ¬q ∨ (¬p ∧ q)

=The votes have not been counted or the election is not decided and the votes have been counted.