1. a,b,d,e,h,j

a) cold = c, wet = w c ∧ w

b) accountant = a, auditor = b a ∨ b

c) cold = c ¬c

d) sunny = s ¬s

3)

|  |  |  |
| --- | --- | --- |
| p | v | P ∨ v |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

6)

|  |  |  |  |
| --- | --- | --- | --- |
| p | q | r | (p → q) ∨ r |
| 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| p | q | r | (¬r ∨ p) ∧ (p ∨ ¬ q) |
| 0 | 0 | 0 |  |
| 1 | 0 | 0 |  |
| 1 | 1 | 0 |  |
| 1 | 1 | 1 |  |
| 0 | 1 | 1 |  |
| 0 | 0 | 1 |  |
| 1 | 0 | 1 |  |
| 0 | 1 | 0 |  |
|  |  |  |  |