

10 More logic gates – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

10.6 AND.

10.7 OR.

10.8 When the two inputs are different.

10.9 0.

10.10 1.

10.11 (a) $1 \text{ NAND } 1 = \text{NOT}(1 \text{ AND } 1) = \text{NOT } 1 = 0$; (b) $0 \text{ NOR } 0 = \text{NOT}(0 \text{ OR } 0) = \text{NOT } 0 = 1$; (c) $1 \text{ XOR } 1 = 0$ (the inputs are the same).