This is a **closed** book/note quiz.

**NO** texting a friend, phoning a friend, talking to a class mate, or such is allowed.

(5 points) complete the truth table for an AND gate.

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **A** • **B** |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

(5 points) complete the truth table for an OR gate.

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **A** OR **B** |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

(5 points) complete the truth table for the exclusive XOR gate.

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **A** XOR **B** |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |