



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Evaluate NOT, AND and OR.
- ✓ Understand the truth of an implication.
- ✓ Recognise a proposition.
- ✓ Count truth-table rows.

Section A • Concept Check • BEGINNER $4 \times 1 = 4$ _____

- NOT(False) = ?
☐ A. True ☐ B. False ☐ C. Unknown ☐ D. Both
- True AND True = ?
☐ A. True ☐ B. False ☐ C. Unknown ☐ D. Both
- False OR False = ?
☐ A. True ☐ B. False ☐ C. Unknown ☐ D. Both
- 'P implies Q' when P is false and Q is false is:
☐ A. True ☐ B. False ☐ C. Unknown
☐ D. Undefined

Section B • Problem Solving • INTERMEDIATE $2 + 3 \times 3 = 11$ _____

- NOT(False) = _____
- True AND True = _____
- Evaluate NOT(False).

- Evaluate True AND True.

- Evaluate False OR False.

Section C • Challenge • CHALLENGE 5 _____

- Evaluate 'P implies Q' when P is false and Q is false.

Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total ___/20**

Teacher's Signature _____

Parent's Signature _____

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-B 4-A | 5 True 6 True 7 = True 8 = True 9 = False | 10 = True