

Name: _____

Compound Statements Color by Number

Answer the following true/false statements and color in the corresponding result in the next page.

1. 'The cat eats food' is a compound statement

True = gray

False = ☐ ☒

2. What does 'v' symbolize?

Conjunctions = gray

Disjunctions = ☐ ☒

Conditionals = ☐

3. Biconditionals are true when both are the same value (both true or both false)

True = gray ☒

False = ☐

4. Which is the symbol for biconditionals?

\cdot = gray

\equiv = ☐ ☒

5. Negations only have 2 truth values.

True = gray ☒

False = ☐

6. Conditionals are 'if then' statements

True = ☐ ☒

False = Gray

7. The symbol for conditionals is a 'horseshoe'

True = gray ☒

False = ☐

8. Which is the symbol for conjunctions?

\cdot = ☐ ☒

\sim = Gray

9. What type of 'or' statement are disjunctions?

inclusive = ☐ ☒

exclusive = ☐

