

Name \_\_\_\_\_

Date \_\_\_\_\_

## Logic- Disjunction, Conditional and Bi conditional - Matching Worksheet

Write the letter of the answer that matches the overall truth value for the problem.

- \_\_\_\_\_ 1. "21 is divisible by 3 and 21 is not prime."  
Write (T) for true and (F) for false. a. D
- \_\_\_\_\_ 2. "Melton is a city in New York."  
Write (C) for true and (D) for false. b. Q
- \_\_\_\_\_ 3. "64 is a multiple of 8 and  $15 - 10 = 5$ ."  
Write (H) for true and (G) for false. c. Y
- \_\_\_\_\_ 4. "A trapezoid is a four sided polygon."  
Write (J) for true and (K) for false. d. T
- \_\_\_\_\_ 5. "A triangle has 3 sides and 4 angles."  
Write (M) for true and (N) for false. e. S
- \_\_\_\_\_ 6. "If  $7 + 3 = 10$  and  $12 + 3 = 20$ , then all circles are squares."  
Write (P) for true and (Q) for false. f. H
- \_\_\_\_\_ 7. "If dove coo, then crow hums."  
Write (R) for true and (S) for false. g. N
- \_\_\_\_\_ 8. "If chick cheep, then snake hiss."  
Write (Y) for true and (Z) for false. h. J

