Name _____   Date _____

Functions versus Relations (Solutions Included) - Matching Worksheet

Write the letter of the answer that matches the problem.

___ 1. Determine if the relation is a function. Make sure to identify the domain and range.

    (-8,1), (11,3), (7,5), (4,-13)

a. Function, D = {-21, 0,11,18},

    R = {-24, 6, 7, 9}

___ 2. Determine if the relation is a function. Make sure to identify the domain and range.

    (-31,15), (10,9), (5,2), (14,-4)

b. Function, D = {-21, 4, 25, 37}
R = {-44, 5, 10,11}

___ 3. Determine if the relation is a function. Make sure to identify the domain and range.

    (-21,6), (11,7), (18,9), (0,-24)

c. Not a function, D = {5, 9, 11, 14},R = {-25,6,20,-20}

___ 4. Determine if the relation is a function. Make sure to identify the domain and range.

  (11,- 26), (15,21), (1,21), (9,6), (15,-21)

d. Not a function, D = {7, 10, 15, 17}, R = {-5, 13, 34,-34}

___ 5. Determine if the relation is a function. Make sure to identify the domain and range.

  (11,- 25), (14,20), (9,20), (5,6), (14,-20)

e. Function, D = {-31, 5, 10,14},

    R = {-4, 2, 9, 15}

___ 6. Determine if the relation is a function. Make sure to identify the domain and range.

  (10,- 15), (40,55), (11,55), (5,9), (40,-55)

f. Function, D = {-8, 4, 7,11},

    R = {-13, 1, 3, 5}

___ 7. Determine if the relation is a function. Make sure to identify the domain and range.

    (-21, 10), (37,5), (25,11), (4,-44)

g. Not a function, D = {5, 10, 11, 40},R = {-15,9,55,-55}

___ 8. Determine if the relation is a function. Make sure to identify the domain and range.

(10,- 5), (17,34), (7,34), (15,13), (17,-34)

h. Not a function, D = {1, 9, 11, 15},R = {-26,6,21,-21}