Function Worksheet Name Key-Moore

Decide whether the relation is a function and justify your answer. State the domain and range.

1) {(-5, -2), (-1, 1), (3, -6), (8, 1)}

D: {-5, -1, 3, 8}
R: {-6, -2, 1}

yes. Each domain value is paired with one range value.

2) {(2, -9), (2, -2), (6, 8), (8, 1), (11, -7)}

D: {2, 6, 8, 11}
R: {-9, -7, -2, 1, 8}

NO. 2 is paired with -9 and -2

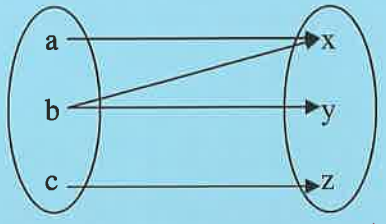
3) {(-8, 2), (-8, 8), (-1, 6), (4, 7), (7, 5)}

D: {-8, -1, 4, 7}
R: {2, 5, 6, 7, 8}

NO. -8 is paired with 2 and 8

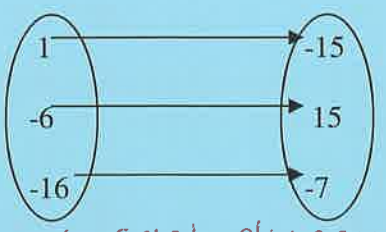
Determine whether the relation is a function and justify your answer. State the domain and range.

4)



no. b is paired with x and y

5)



yes. Each domain values is paired with exactly one range value

Determine whether the relation is a function. Respond either "function" or "not a function". If it is not a function then state what is wrong in the relation that prevents it from being a function. State the domain and range.

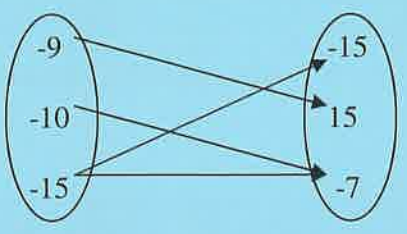
6)

X	Y
-6	-3
-5	-2
-4	-1
-3	0
-4	1
-5	2
-6	3

D: {-6, -5, -4, -3}
R: {-3, -2, -1, 0, 1, 2, 3}

no. Several domain values are paired with multiple range values

7)



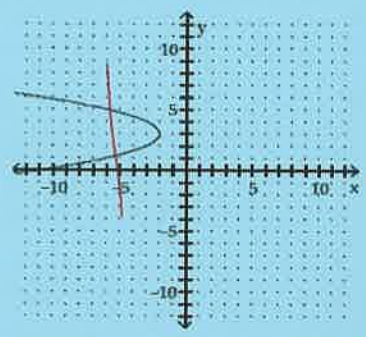
D: {-15, -10, -9}
R: {-15, -7, 15}

NO. -15 is paired with -15 and -7

Function Worksheet Name_____

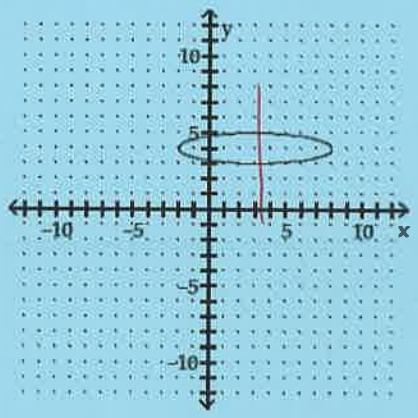
Decide whether the relation is a function. If it is a function, respond "yes." If the relation is not a function, respond "no" and justify your answer.

8)



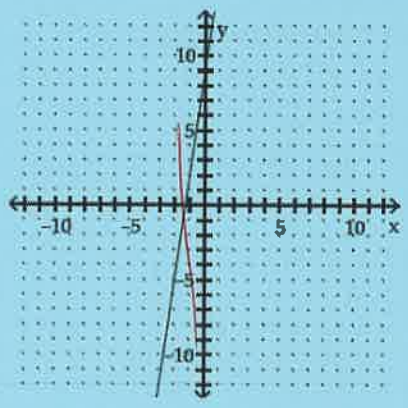
NO. Several domain values are paired with 2 range values

9)



NO. Several domain values are paired with 2 range values

10)



Yes. Each domain value is paired with exactly one range value.