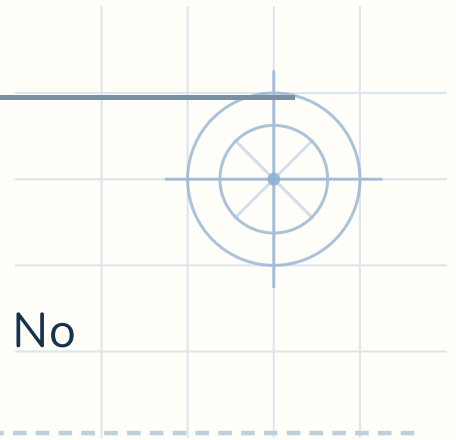


Is it a function — Sets of ordered pairs

Name: _____

Date: _____

Does each set of ordered pairs show a function? Circle one.



1 (21, 17) (16, 25) (9, 35) (9, 18) Yes / No

2 (11, 32) (12, 5) (22, 52) (5, 21) (23, 7) Yes / No

3 (20, 56) (14, 43) (20, 26) (6, 8) Yes / No

4 (5, 22) (18, 9) (18, 13) (22, 32) Yes / No

5 (15, 28) (21, 29) (1, 45) (0, 45) (3, 49) Yes / No

6 (8, 38) (0, 42) (22, 57) (8, 40) (9, 9) Yes / No



Is it a function · Sets of ordered pairs — Answer key

1. (21, 17) (16, 25) (9, 35) (9, 18): No — the input 9 goes to 35 and also to 18, and one input may only go to one place

5. (15, 28) (21, 29) (1, 45) (0, 45) (3, 49): Yes — every input appears once — 45 turns up twice, but that is an output, and two inputs may land on the same one

2. (11, 32) (12, 5) (22, 52) (5, 21) (23, 7): Yes — every input appears once, so no input can go to two places

6. (8, 38) (0, 42) (22, 57) (8, 40) (9, 9): No — the input 8 goes to 38 and also to 40, and one input may only go to one place

3. (20, 56) (14, 43) (20, 26) (6, 8): No — the input 20 goes to 56 and also to 26, and one input may only go to one place

4. (5, 22) (18, 9) (18, 13) (22, 32): No — the input 18 goes to 9 and also to 13, and one input may only go to one place

