

Math 151 - Quiz 1

January 27, 2016

Name key

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Is the relation $\{(0, 0), (1, 3), (2, 2), (2, 5)\}$ is function? Explain.

No, THE 1ST COORD 2 IS PAIRED
WITH TWO DIFFERENT 2ND COORDS, 2 & 5.

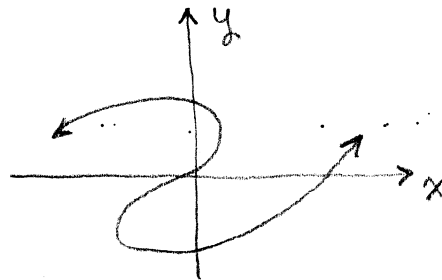
2. (1 point) Is the relation $\{(-1, 8), (2, 5), (6, 4), (2, 5)\}$ is function? Explain.

YES, EACH 1ST COORD IS PAIRED WITH
EXACTLY ONE 2ND COORD.

3. (1 point) Is the relation $\{(0, 8), (1, 8), (2, 8), (3, 8), (4, 8)\}$ is function? Explain.

YES, EACH 1ST COORD IS PAIRED WITH
EXACTLY ONE 2ND COORD.

4. (1 point) Sketch the graph of a relation that is NOT a function.



THE GRAPH
FAILS THE
VERTICAL LINE
TEST.

5. (1 point) Sketch the graph of the relation in problem #3.

