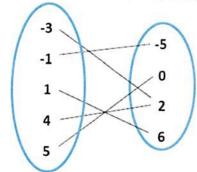
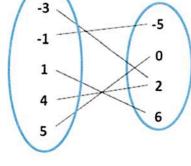
Instructions: Show all work. Partial credit can only be given where work is shown. Be sure to answer all parts of each question. You may not use a calculator on this quiz.

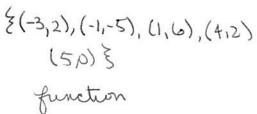
1. For each of the relations shown, write out the list of ordered pairs that represents the relation. Then determine if the relation is a function.





0

b.



 $\{(-z_11), (-z_13), (0,-3), (1,4), (3,1)\}$

not a function

2. For the function $f(x) = x^3 - 2x + 1$, give the range if the domain is $\{0, 1, 2, 4\}$.

\$1,0,5,57 }

- 3. Write the numerals in the indicates system into the Hindu-Arabic system.
 - a. MCM CLXXXIX

1989

