CCGPS Algebra Name   
Domain and Range – Discrete Data

Fill in the domain and range for each of the following. Label each as a function or relation.

1. Ordered Pairs
2. (3, 2) (5, -2) (4, 3) (7, -6) Domain:  
    Range:  
    Function?
3. (5, -2) (4, 8) (4, 2) (7, 6) Domain:  
    Range:  
    Function?
4. (-5, 2) (8, 2) (4, 2) (-3, 2) Domain:  
    Range:  
    Function?
5. (-7, 4) (5, 2) (-7, 4) (8, 2) Domain:  
    Range:  
    Function?
6. Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -5 | -3 | 6 | -2 |
| f(x) | 4 | -3 | -2 | 5 |

1. Domain:  
    Range:  
    Function?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -4 | -2 | 10 | -12 |
| f(x) | 4 | -2 | -2 | 4 |

1. Domain:  
    Range:  
    Function?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -5 | -3 | -5 | -2 |
| f(x) | 4 | -3 | -4 | 6 |

1. Domain:  
    Range:  
    Function?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -3 | 3 | -3 | 4 |
| f(x) | 2 | -2 | 2 | -2 |

1. Domain:  
    Range:  
    Function?

1. Mapping Diagram  
     
   1.

-3  
2  
-2  
4

-7  
8  
1  
-2

4  
2  
1  
-2

4  
2  
1  
-2

Domain: Domain:  
Range: Range:  
Function? Function?

-3  
2  
0  
-2

-5  
-1  
1  
-2

-5  
9  
11  
-7

4  
2  
1  
-2

Domain: Domain:  
Range: Range:  
Function? Function?

1. Graphs



Domain: Domain:

Range: Range:

Function? Function?

1. Equation.
2. f(x) = 4x – 2 when x = {-2, 4, 8} 2. g(x) = 3x2 – 4x when x = {-1, 0, 3}

Domain: Domain:

Range: Range:

Function? Function?