Domain and Range Worksheet #1

State the domain and range for each graph and then tell if the graph is a function (write yes or no). If the graph is a function, state whether it is discrete, continuous or neither.

1) Domain ________________
   Range ________________
   Function? ____________

2) Domain ________________
   Range ________________
   Function? ____________

3) Domain ________________
   Range ________________
   Function? ____________

4) Domain ________________
   Range ________________
   Function? ____________

5) Domain ________________
   Range ________________
   Function? ____________

6) Domain ________________
   Range ________________
   Function? ____________

7) Domain ________________
   Range ________________
   Function? ____________

8) Domain ________________
   Range ________________
   Function? ____________

9) Domain ________________
   Range ________________
   Function? ____________

10) Domain ________________
    Range ________________
    Function? ____________

11) Domain ________________
    Range ________________
    Function? ____________

12) Domain ________________
    Range ________________
    Function? ____________
Answer Key Domain and Range Worksheet #1

State the domain and range for each graph and then tell if the graph is a function (write yes or no). If the graph is a function, state whether it is discrete, continuous or neither.

1) Domain: -3 and -2
   Range: (-∞, ∞)
   Function? Not A Function

2) Domain: (-5, 5]
   Range: [-2, 2]
   Function? yes

3) Domain: (-∞, ∞)
   Range: (-∞, ∞)
   Function? Yes

4) Domain: (-∞, ∞)
   Range: 3
   Function? yes

5) Domain: -3, -2, 2, 4 and 5
   Range: -5, 0, 1 and 4
   Function? Yes

6) Domain: (-∞, 4]
   Range: [0, ∞)
   Function? Yes

7) Domain: [-2,2]
   Range: [-2,2]
   Function? No

8) Domain: (-∞, ∞)
   Range: [0, ∞)
   Function? Yes

9) Domain: [-4,3)
   Range: (-5, 5)
   Function? No

10) Domain: (-∞, ∞)
    Range: [-3, ∞)
    Function? yes

11) Domain: (-4, ∞)
    Range: [-∞, 1]
    Function? yes

12) Domain: [-3,3]
    Range: [-3,4]
    Function? No