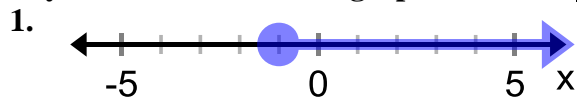


Name: Key (Selected Answers) Period: \_\_\_\_\_

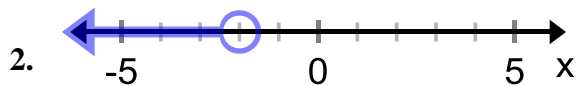
Score: _____ / _____ %
------------------------

**HW 2-3 HONORS: Domain, Range, & Continuity**

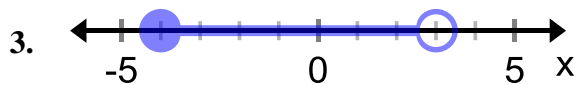
Identify the domain for each graph in BOTH set builder and interval notation.



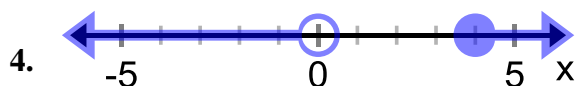
Domain:  
Set Builder:  $x \geq -1$   
Interval:  $[-1, \infty)$



Domain:  
Set Builder:  
Interval:

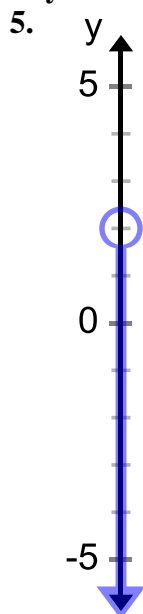


Domain:  
Set Builder:  $-4 \leq x < 3$   
Interval:  $[-4, 3)$

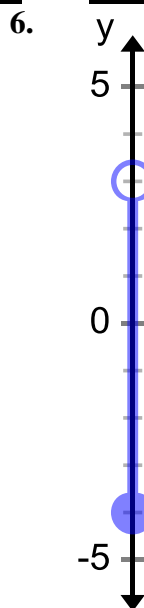


Domain:  
Set Builder:  
Interval:

Identify the range for each graph using BOTH set builder and interval notation.



Range:  
Set Builder:  $y < 2$   
Interval:  $(-\infty, 2)$



Range:  
Set Builder:  
Interval:

Identify the domain, range, and continuity for each graph using set builder and interval notation.

7. Domain

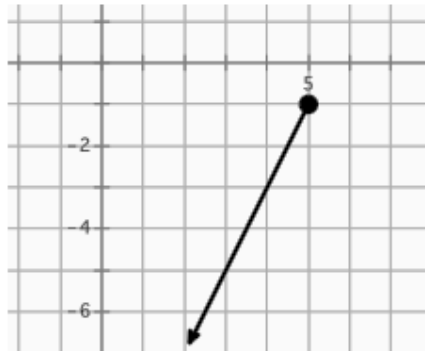
Set Builder:  
 $x \leq 5$

Interval:  
 $(-\infty, 5]$

8. Range

Set Builder:

Interval:



9. Continuity (circle your answer)

Continuous     Non-Continuous     Discrete

10. Domain

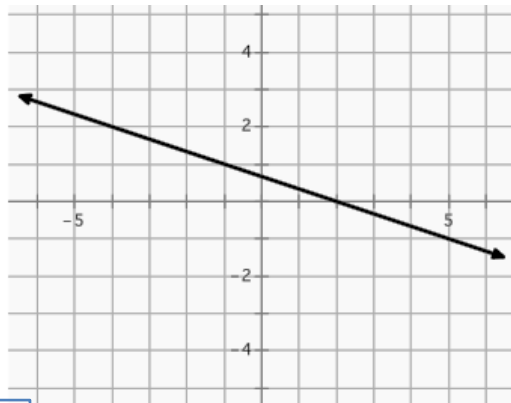
Set Builder:

Interval:

11. Range

Set Builder:  
**All Real Numbers**

Interval:



12. Continuity (circle your answer)

Continuous     Non-Continuous     Discrete

13. Domain

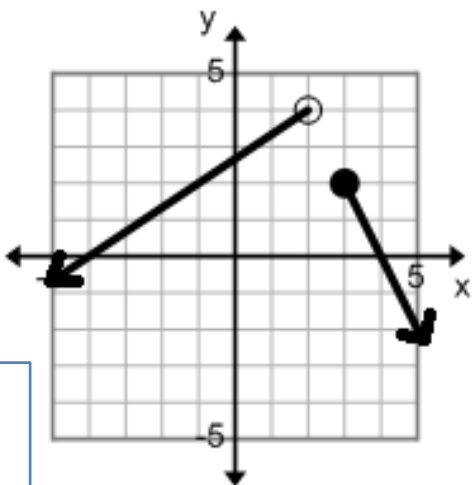
Set Builder:

Interval:  
 $(-\infty, 2)$  and  $[3, \infty)$

14. Range

Set Builder:

Interval:



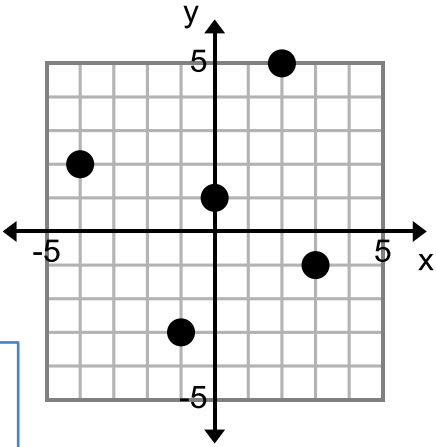
15. Continuity (circle your answer)

Continuous     Non-Continuous     Discrete

Identify the domain, range, and continuity for each graph using set builder notation.

16. Domain  
Set Builder:

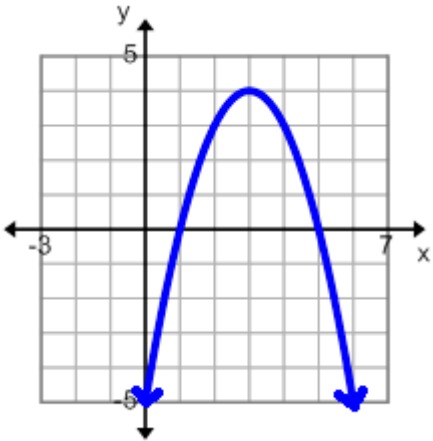
17. Range  
Set Builder:  
 $\{-3, -1, 1, 2, 5\}$



18. Continuity (circle your answer)  
Continuous      Non-Continuous      Discrete

19. Domain  
Set Builder:  
  
Interval:  
 $(-\infty, \infty)$

20. Range  
Set Builder:  
  
Interval:

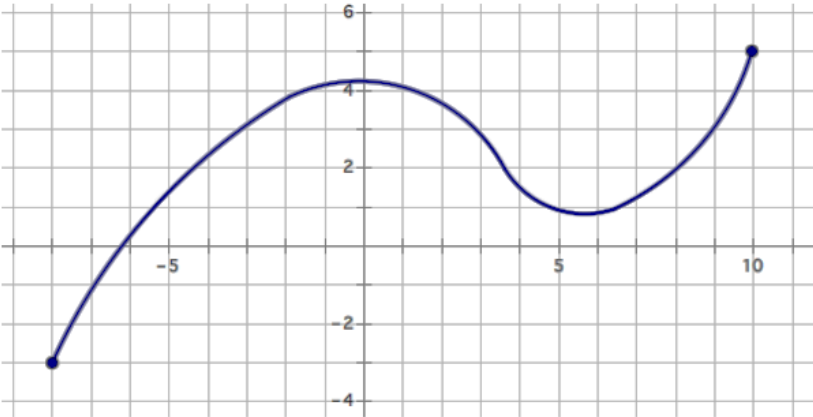


21. Continuity (circle your answer)  
Continuous      Non-Continuous      Discrete

22. Domain  
Set Builder:  
  
Interval:

23. Range  
Set Builder:  $-3 \leq y \leq 5$   
Interval:

24. Continuity (circle your answer)  
Continuous  
Non-Continuous  
Discrete



Identify the domain, range, and continuity for each graph using set builder and interval notation.

25. Domain

Set Builder:

Interval:

**[0,21]**

26. Range

Set Builder:

Interval:

27. Continuity

(Circle your answer)

Continuous

**Non-Continuous**

Discrete

