## 3.6 Functions CYU

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

HUse when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Domain & Range	1, 2		
Function or Not a Function	3, 4, 9	5 - 11	12
Reading a Graph	17 - 21	danifi embed some anning.	o 4 st of continues of
Evaluating Functions	13, 15	14	16
Function Notation to Coordinate Form	22 - 27		

Find the domain and range of each relation. Be sure to label your answers.

1. {(2, 4), (0, 0), (-7, 10), (10, -7)}

2. {(3, -6), (1, 4), (-2, -2)}

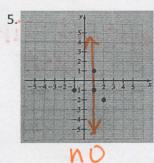
D: 2-7,0,2,105 R: 2-7,0,4,105 D: 2-2,1,35.

Determine whether each relation is also a function. Why or why not?

 $3.\{(1,1),(2,2),(-3,-3),(0,0)\}$ 

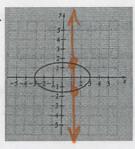
4. {(-1, 0), (-1, -2), (0, 0), (3, -2)}

NO, X→0号-2



6.





8.



9.y = x + 1

10. y = 6

11. x = -2







12. x = y'

Find f(-2), f(0), and f(3) for each function. Show work for full credit.

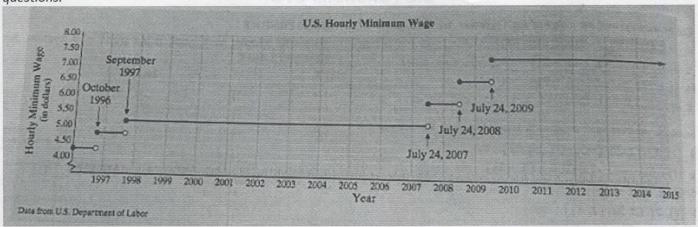
13. f(x) = 2x - 5

14.  $f(x) = x^2 + 2$ 

15. f(x) = 3x

16. f(x) = |2 - x|

$$f(3) = 1$$



17. Approximate the minimum wage before October 1, 1996.

\$ 4.25 per hour

- 18. Approximate the minimum wage in 2006.
- 19. Approximate the year when the minimum wage increased to over \$7.00 per hour.

20. According to the graph, what hourly wage was in effect for the greatest number of years?

21. Is this graph the graph of a function? Why or Why not?

For each given function value, write a corresponding ordered pair.

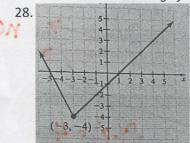
22. 
$$f(3) = 6$$

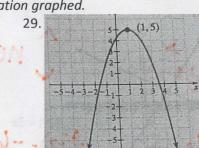
$$24. f(7) = -2$$

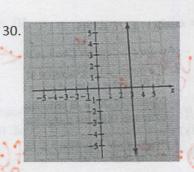
25. 
$$g(0) = -\frac{1}{2}$$

25. 
$$g(0) = -\frac{1}{2}$$
 26.  $g(0) = -\frac{7}{8}$ 

Find the domain and range for each relation graphed.







CYU Reflection: How far can you go: basic, intermediate, or advanced?

## Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

