

Name _____ Date _____ Pd _____

8.2 Function Notation & Graphing Nonlinear Functions DAY ONE CYU

Use when you get it right all by yourself

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

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

G Use when you completed the problem in a group

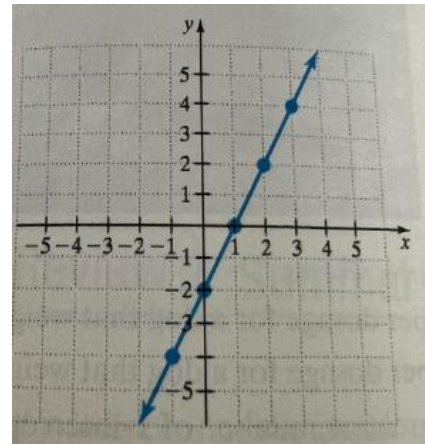
X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Finding values on the graphs given half the coordinate	1 - 4, 9 - 12	5, 6, 13, 14	
Turning function notation into coordinates	7, 8		
Simplifying radicals	15, 16, 19, 20, 22	17, 18	23
Solving Linear Equations	24, 25	26, 27	

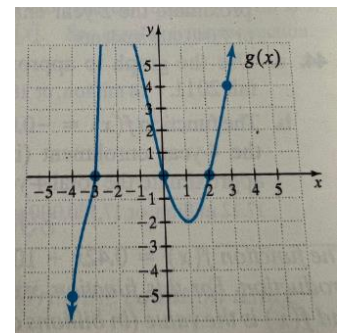
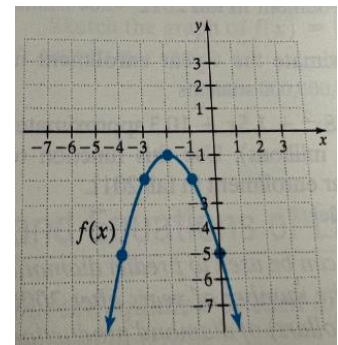
Use the graph of the following function $f(x)$ to find each value.

- 1) $f(1)$ 2) $f(0)$ 3) $f(-1)$
- 4) $f(2)$ 5) $f(x) = 4$ 6) $f(x) = -6$



Use the graph of the functions provided to answer the following questions.

- 7) If $f(1) = -10$, then write the corresponding ordered pair.
- 8) If $g(4) = 56$, then write the corresponding ordered pair.
- 9) Find $f(-1)$ 10) Find $f(-2)$
- 11) Find $g(2)$ 12) Find $g(-4)$
- 13) Find all values of x such that $f(x) = -5$.
- 14) Find all values of x such that $g(x) = 0$.



Find the following roots.

15) $\sqrt{49}$

16) $\sqrt{144}$

17) $-\sqrt{\frac{4}{9}}$

18) $-\sqrt{\frac{4}{25}}$

19) $\sqrt{64}$

20) $\sqrt{4}$

21) $\sqrt{81}$

22) $\sqrt{1}$

23) $\sqrt{-100}$

Solve the following equations.

24) $3(x - 2) + 5x = 6x - 16$

25) $5 + 7(x + 1) = 12 + 10x$

26) $3x + \frac{2}{5} = \frac{1}{10}$

27) $\frac{1}{6} + 2x = \frac{2}{3}$

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.

