CYU 2.3 Solving Linear Equations DAY ONE

☑ 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

6 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

Solve. Show all work to earn full credit or give a written explanation if you feel no work is required.

1.
$$-3x + 1 = -2(4x + 2)$$

7.
$$6y - 8 = -6 + 3y + 13$$

2.
$$15x-5=7+12x$$

3.
$$-(5x-10) = 5x$$

4.
$$3(2-5x)+4(6x)=12$$

5.
$$-4(n-4)-23=-7$$

6.
$$5-6(2+b)=b-14$$

8.
$$-7n + 5 = 8n - 10$$

9.
$$\frac{4}{5}x - \frac{8}{5} = -\frac{16}{5}$$

$$X = -2$$

10.
$$\frac{2}{9}x - \frac{1}{3} = 1$$

11.
$$0.40x + 0.06(30) = 9.8$$

12.
$$\frac{3(y+3)}{5} = 2y + 6$$

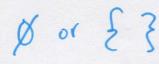
$$y = -3$$

$$13. \, \frac{5}{2}x - 1 = x + \frac{1}{4}$$

14.
$$0.60(z - 300) + 0.05z = 0.70z - 205$$

15.
$$14x + 7 = 7(2x + 1)$$

16.
$$\frac{x}{3} - 2 = \frac{x}{3}$$



17.
$$2(x-5) = 2x + 10$$

$$18. - 5(4y - 3) + 2 = -20y + 17$$

Write each phrase as an algebraic expression. Use x for the unknown number.

19. Three times a number

20. The difference of 8 and twice a number

21. The quotient of - 12 and the difference of a number and 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.

