



**Solving
Equations**
I REALLY KNOW it

Name: _____

"I REALL Know It: Solving Equations"

"I REALLY Know It" is an equations review worksheet that I designed to have my students prove to me that they are ready for an equations formal assessment.

The problems go from Easy to Medium to Hard to I REALLY Know It.

Students complete all of the easy problems then come up to me at the front of the room to check them. Once they are all correct they move on to the medium level and so on.

If any are incorrect, they go back to correct them until they reach 100% for that section before moving on the next section.

The answer key is included to make your grading quicker and easier so you can get the students moving on faster.

The students I have used this with in the last four years have loved this activity. They have the goal of reaching 100% and they also race a little to see who can get done first!

This is just another fun way to review before a test!

Name: _____

"I REALLY Know It: Solving Equations"

Easy:

1. $x - 10 = 23$

4. $9 = x - 12$

2. $6 + x = -11$

5. $5x = 35$

3. $x - 5 = -5$

6. $18 = -3x$

Medium:

7. $\frac{1}{4}x = -2$

10. $18 - 3x = -12$

8. $\frac{-2}{3}x = 8$

11. $9x - 12 = 3x$

9. $6x - 3 = 21$

12. $-5x = 9 - 2x$

Hard:

13. $8x - 12 = 15x - 4$

15. $10x - 5 = 21 - 3x$

14. $11 + 6x = 2x - 13$

16. $4x + 12 = x - 6$

I REALLY Know It:

17. $-4(x - 6) = 2(7 - 7x)$

19. $-(x + 7) - 5 = 4(x + 3) - 6x$

18. $8(-9x + 4) = -3(6x + 9)$

20. $5(x - 1) = 2x + 4(x - 1)$

Name: _____

ANSWER KEY:

Easy:

1. 33

4. 21

2. -17

5. 7

3. 0

6. -6

Medium:

7. -8

10. 10

8. -12

11. 2

9. 4

12. -3

Hard:

13. $-\frac{8}{7}$

15. 2

14. -6

16. -6

I REALLY Know It:

17. -1

19. 24

18. $\frac{59}{54}$

20. -1