

Name \_\_\_\_\_

Key

Date \_\_\_\_\_

Pd \_\_\_\_\_

## 2.1 - 2.3 Quiz Review #2

Bridge to Algebra 2

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
Addition Property of Equality (POE)	1, 2	5, 6, 11, 12, 15, 16, 19, 20	21 - 24, 27 - 34, 37, 38
Multiplication Property of Equality (POE)	3, 4	5 - 12, 15, 16, 19, 20	17, 18, 21 - 24, 27 - 34, 37, 38
Solving Linear Equations	1 - 4	5 - 12, 15, 16, 19, 20	17, 18, 21 - 24, 27 - 34, 37, 38
Checking Linear Equations	1 - 4	5 - 12, 15, 16, 19, 20	17, 18, 21 - 24, 27 - 34, 37, 38
Special Solutions: $\infty$ or $\emptyset$	13, 14	25, 26	35, 36

Solve. Check your answer to know you solved the problem correctly.

1.  $x - 10 = -4$

6

12.  $-5 - 6y + 6 = 19$

2.  $y + 14 = -3$

-17

-3

3.  $9y = 108$

12

13.  $2x - 7 = 2x - 27$

4.  $-3x = 78$

-26

 $\emptyset$ 

5.  $-6x + 7 = 25$

-3

14.  $3 + 8y = 8y - 2$

 $\emptyset$ 

6.  $5y - 42 = -47$

-1

15.  $-3a + 6 + 5a = 7a - 8a$

7.  $\frac{2}{3}x = 9$

 $\frac{27}{2}$ 

-2

8.  $\frac{4}{5}z = 10$

 $\frac{25}{2}$ 

16.  $4b - 8 - b = 10b - 3b$

-2

9.  $\frac{r}{-4} = -2$

8

17.  $-\frac{2}{3}x = \frac{5}{9}$

 $-\frac{5}{6}$ 

10.  $\frac{y}{-8} = 8$

-64

18.  $-\frac{3}{8}y = -\frac{1}{16}$

 $\frac{1}{6}$ 

11.  $6 - 2x + 8 = 10$

2

19.  $10 = -6n + 16$

1

$$20. -5 = -2m + 7$$

6

$$21. 3(5c - 1) - 2 = 13c + 3$$

4

$$22. 4(3w + 4) - 20 = 3 + 5w$$

1

$$23. \frac{2(v+3)}{3} = 5 - v$$

$\frac{9}{5}$

$$24. \frac{3(w+2)}{4} = 2w + 3$$

$-\frac{6}{5}$

$$25. -2(2x - 5) = -3x + 7 - x + 3$$

$\mathbb{R}$

$$26. -4(5x - 2) = -12x + 4 - 8x + 4$$

$\mathbb{R}$

$$27. 0.02(6p - 3) = 0.04(p - 2) + 0.02$$

0

$$28. 0.03(m + 7) = 0.02(5 - m) + 0.03$$

-1.6

$$29. -3y = \frac{4(y-1)}{5}$$

$\frac{4}{19}$

$$30. -4x = \frac{5(1-x)}{6}$$

$-\frac{5}{19}$

$$31. \frac{5}{3}x - \frac{7}{3} = x$$

$\frac{7}{2}$

$$32. \frac{7}{5}n + \frac{3}{5} = -n$$

$-\frac{1}{4}$

$$33. 9(3x - 1) = -4 + 49$$

2

$$34. 12(2x+1) = -6 + 66$$

2

$$35. \frac{1}{10}(3x - 7) = \frac{3}{10}x + 5$$

$\emptyset$

$$36. \frac{1}{7}(2x - 5) = \frac{2}{7}x + 1$$

$\emptyset$

$$37. 5 + 2(3x - 6) = -4(6x - 7)$$

$\frac{7}{6}$

$$38. 3 + 5(2x - 4) = -7(5x + 2)$$

$\frac{1}{15}$