

Algebra 1
Practice Quiz 2.1-2.4

NAME _____

Translate each sentence into an equation. (2 Points)

1. Twice a number b decreased by 3 is 17.

1. _____

2. The quotient of a number and 2 is -14.

2. _____

3. Six more than a number is equal to the product of two and eight.

3. _____

4. _____

4. Three times the sum of a number y and nine is ten times y .

5. _____

6. _____

Solve each equation. (2 Points)

5. $x + 11 = 7$

6. $3x = 18$

7. $13 = x - 9$

7. _____

8. _____

9. _____

10. _____

8. $x - 15 = -9$

9. $x + 7 = -2$

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

11. _____

12. _____

13. _____

11. $\frac{3}{4}x = 12$

12. $-11 = \frac{x}{-4}$

13. $-36 = 6x$

Points(26) _____

Solve each equation. (3 Points)

14. $7x - 4 = 31$

15. $9 = 3x + 27$

16. $4x + 11 = -21$

17. $13 - 2x = 5$

18. $\frac{x}{3} - 16 = -12$

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

20. $\frac{2}{5}x - 6 = 4$

21. $5x + 25 = 9x + 17$

22. $7 + 2x = 5x - 20$

23. $6x + 8 = 9x - 12$

24. $4(2x - 1) = 6(2x - 2)$

25. $\frac{1}{3} + \frac{5}{6}x = \frac{1}{6}x - \frac{4}{3}$

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

Points (36) _____