

Math 7 - Chapter 4 Equations Review 2 Worksheet**Problems 1-8: Translate the following expressions and equations into verbal sentences.****You may use ONLY the following terms: sum, difference, product, quotient, more than, less than, is, number.**

1. $x + 5$

5. $x + 3 = -12$

2. $y - 7$

6. $5 = y - 4$

3. $4x$

7. $3x + 4 = 16$

4. $\frac{y}{-2}$

8. $-24 = 4y - 4$

Problems 9-20: Solve and check each equation.

9. $y - 7 = -9$

15. $7p + 38 = 3$

10. $-15x = -60$

16. $2b - 23 = -29$

11. $17 = \frac{x}{-4}$

17. $-9g - 17 = 46$

12. $-3.3x = -99$

18. $19.2 + 4.8a = 33.6$

13. $18 = -\frac{5}{6}x$

19. $\frac{x}{12} - \frac{1}{3} = \frac{5}{6}$

14. $-5r + 6 = 21$

20. $-5(x - 3) = -30$

Problems 21-25: Translate each sentence into an equation, then find the number.

21. The sum of a number and negative seven is -13.

22. The difference of a number and negative eleven is 36.

23. Three times the difference of a number and six is 6.

24. Fourteen more than the quotient of a number and four is 13.

25. Thirty-seven is four times a number less than five.