Inverse Property of Operations: Mixed Practice

Part A: Identify the Inverse Operation - Write the inverse operation of each.

1. Add 9 → _____
2. Subtract 12 → _____
3. Multiply by 5 → _____
4. Divide by 3 → _____
5. Multiply by −7 → _____

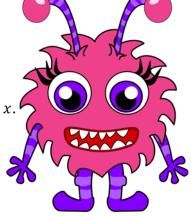**Part B: Solve One-Step Equations -** Use inverse operations to find x.

6. $x + 8 = 15$
7. $x − 6 = 10$
8. $5x = 25$
9. $\frac{x}{4} = 9$
10. $−7x = 49$

Part C: Solve Two-Step Equations - Use inverse operations in reverse order of the operations shown.

11. $2x + 5 = 13$
12. $3x − 9 = 12$
13. $\frac{x}{4} + 7 = 12$
14. $6x − 2 = 22$
15. $\frac{x}{5} − 3 = 9$

Part D: Word Problems

Translate each statement into an equation and solve using inverse operations.

16. "A number increased by 4 equals 12."
17. "Three times a number is 24."
18. "A number divided by 6 equals 8."
19. "Twice a number decreased by 5 equals 9."
20. "Five more than half a number is 11."