

Name:

Date:

Period:

1. Name the inverse operation needed to solve for the variable.

a. $x + 9 = 17$ _____

b. $y - 8 = 5$ _____

c. $m + 5 = 21$ _____

d. $\frac{w}{6} = 12$ _____

e. $9v = 108$ _____

2. Name the inverse operation needed to solve for the variable.

a. $t - 18 = 54$ _____

b. $14x = 228$ _____

c. $m + 19 = 51$ _____

d. $11b = 66$ _____

e. $\frac{m}{4} = 2$ _____

Solve the following equations on a separate piece of paper. Show all your work.

3. $7x - 2 = 26$

4. $\frac{1}{2}(m - 4) = 12$

5. $-6h - 6 = 30$

6. $5x + 20 = -20$

7. $3 = -3y - 15$

8. $-24 = 7y - 3$

9. $7r - 4 = 10$

10. $9 = 6y + 51$

11. $13x + 6 = 6$

12. $\frac{x}{-4} + 11 = 5$

13. $2m - 8 = -28$

14. $\frac{x}{9} - 3 = 8$

15. $12m + 20 = -40$

16. $\frac{-x}{3} + 5 = 21$

17. $8r - 27 = -19$

18. $6 + \frac{k}{3} = 33$

19. $15 = -4y - 9$

20. $8w + 4 = -36$

21. $4a - 15 = -23$

22. $44 = 5x - 6$