

Name: _____

Period: _____ Date: _____

Solving Two Step Equations **Answers**

Section I. Solve for the variable

1. $4m + 3 = 27$

$m = 6$

2. $7g - 6 = -20$

$g = -2$

3. $3(x + 5) = 27$

$x = 4$

4. $\frac{(x+4)}{3} = 6$

$x = 14$

5. $17 + 3k = 26$

$k = 3$

6. $8 + 9c = -10$

$c = -2$

7. $-4(x + 8) = -28$

$x = -1$

8. $\frac{(x-7)}{4} = 5$

$x = 27$

9. $12y + 25 = -35$

$y = -5$

10. $15h - 9 = -54$

$m = -3$

11. $-7(x - 3) = 42$

$x = -3$

12. $\frac{(x-12)}{-3} = 7$

$x = -9$

13. $8 - 10x = -32$

$m = 4$

14. $-16 - 2j = -34$

$j = 9$

15. $9(x - 11) = -63$

$x = 4$

16. $\frac{(x+15)}{-5} = -8$

$x = 25$

17. $\frac{c}{8} + 13 = 17$

$c = 32$

18. $\frac{h}{15} - 17 = -13$

$h = 60$

19. $-12(2 + x) = -48$

$x = 2$

20. $\frac{(x-10)}{7} = -4$

$x = -18$

21. $\frac{k}{-5} - 27 = -16$

$k = -55$

22. $\frac{j}{-7} + 12 = 19$

$j = -49$

23. $-8(7 + x) = 40$

$x = -12$

24. $\frac{(10+x)}{-8} = -3$

$x = 14$

25. $4k - 10k = 30$

$k = -5$

26. $15f - 12f = -24$

$f = -8$

27. $6(-15 + x) = -18$

$x = 12$

28. $\frac{(5+x)}{-9} = 2$

$x = -23$

29. $4b - 5 = -33$

$b = -7$

30. $\frac{w}{8} - 12 = -5$

$w = 56$

31. $-10(-8 + x) = -90$

$x = 17$

32. $\frac{(-2+x)}{4} = -4$

$x = -14$

33. $11(14 + x) = -66$

$x = -20$

34. $\frac{(14+x)}{-3} = -8$

$x = 10$

*35. $2(3 - x) = 10$

$x = -2$

*36. $\frac{(5-x)}{10} = 2$

$x = -15$