

Math 9
Ch 6.1 to 6.2 Review

Name _____

Date _____

Solve.

1. $9 - 17 = r$

2. $-26 - (-14) = p$

3. $34 - (-6) = a$

4. $4 + x = 7$

5. $18 = x + 2$

6. $10 = 8 + z$

7. $m = \frac{2}{3} - 1$

8. $x = \frac{7}{6} + \left(-\frac{5}{2}\right)$

9. $-2\frac{1}{2} = w - 7\frac{1}{2}$

10. $a + \frac{1}{6} = \frac{11}{12}$

11. $r + \left(-\frac{4}{3}\right) = \frac{2}{3}$

12. $x = \frac{45}{5}$

13. $39 = 3d$

14. $-14y = -126$

15. $48r = 92$

16. $\frac{t}{7} = 7$

17. $\frac{12y}{7} = 84$

18. $10 = \frac{4n}{7}$

19. $-\frac{2}{7}c = -\frac{7}{2}$

20. $-2\frac{1}{6} = \frac{1}{2}a$

21. $-\frac{1}{4}k = -2\frac{1}{8}$

22. $-a = 24 - 17$

23. $5k - 35 = 0$

24. $17 = 17 - 32p$

25. $-47 = -3x - 8$

26. $21 - (-15f) = 96$

27. $4f - (-56) = 56$

28. $-17 - (-5k) = -37$

29. $-5a - 68 = 92$

30. $-20y - 3 = -7$

31. $-44k - 2 = -6$

32. $\frac{5}{2} - \frac{d}{10} = 0$

33. $\frac{7a}{6} + \frac{4}{3} = \frac{1}{3}$

34. $-\frac{7}{4}a + \frac{1}{2} = -\frac{9}{10}$

35. $-\frac{4x}{7} - \frac{11}{14} = \frac{5}{6}$

36. $\frac{3}{2} = -\frac{7}{10}t - \frac{3}{5}$

37. $-18 = -\frac{2}{5}(15n - 45)$

38. $\frac{2}{3}(4y - 3) - \frac{1}{3} = -1$

39. $5 = \frac{3}{4}(3k + 2) - 2k$

40. $\frac{1}{5} + \frac{2}{5}(5 - 3a) = -3$

41. $-6x + \frac{3}{2}(x + 8) = 0$

42. 29 is the sum of r and 54.
Solve for r .

43. When a number is increased by 29, the result is 76. What is the number?

44. 24 more than a number is 80.
Find the number.

45. 16 is five more than n .
Find n .

46. 36 more than a number is 25.
What is the number?

47. When 24 is subtracted from b , the result is -80 .
Find b .

48. 75 minus some number is -113 . What is the number?

Answer List

1. -8

4. 3

7. $-\frac{1}{3}$

10. $\frac{3}{4}$

13. 13

16. 49

19. $\frac{49}{4}$

22. -7

25. 13

28. -4

31. $\frac{1}{11}$

34. $\frac{4}{5}$

37. 6

40. $\frac{13}{3}$

43. 47

46. -11

2. -12

5. 16

8. $-\frac{4}{3}$

11. 2

14. 9

17. 49

20. $-\frac{13}{3}$

23. 7

26. 5

29. -32

32. 25

35. $-\frac{17}{6}$

38. $\frac{1}{2}$

41. $\frac{8}{3}$

44. 56

47. -56

3. 40

6. 2

9. 5

12. 9

15. $\frac{23}{12}$

18. $\frac{35}{2}$

21. $\frac{17}{2}$

24. 0

27. 0

30. $\frac{1}{5}$

33. $-\frac{6}{7}$

36. -3

39. 14

42. -25

45. 11

48. 188