

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.  $188$