

Name \_\_\_\_\_ Date \_\_\_\_\_

The problems in this packet are designed to help you review topics from previous courses that are important to your success in Financial Algebra. Please try to do each problem. You must show the work that supports that answer in order to receive credit.

Enjoy your summer! We look forward to seeing you in September!

**Use the order of operations to determine each answer:**

1.  $8 + 7 \cdot 9$

2.  $12 + 4^2$

3.  $35 - (17 - 2) \div 5$

4.  $24 - 9 \cdot 2 + 6 \div 3$

5.  $\frac{2^3 - 22}{4(28 - 11)}$

6.  $\frac{45}{9} + 3$

7.  $12(2 + 7) - 24 \div 12$

8.  $4(9 - 3) \div (8 - 2)$

9.  $26 - [(25 - 11) - 2^3]$

10.  $(8^2 - 2^5) \div (24 \div 6) + 3^2$

**Evaluate each expression:**  $x=8$ ,  $y=6$ ,  $m=3$ ,  $p = \frac{1}{2}$   $n = \frac{3}{4}$

11.  $4x - 2m$

12.  $5y + 8p$

13.  $nxy \div m$

14.  $2(3x + 6) \div (10m)$

15.  $2ny + x$

16.  $(x + y) \div p$

17.  $6p + 8n$

18.  $my - 2x$

**Solve the following problems.**

19.  $-7 - (-3) =$

20.  $-21 + -19 =$

21.  $6 + (-8) =$

22.  $-9 - (6) =$

23.  $7 - (-3) + (-2) - 4 =$

24.  $11 + (-2) =$

25.  $-3(-4) =$

26.  $45 - (-27) =$

27.  $-5 + (4) =$

28.  $24 \div (-6) =$

29.  $19(-4) =$

30.  $81 \div (-9) =$

31.  $14 - (-7) + (-2) =$

32.  $-8 * (-4) \div -2 =$

33.  $8(7) =$

34.  $56 \div (-14) =$

35.  $12 + (-7) - (-28)$

**Simplify.**

36.  $2(x+7)$

37.  $-3(x+4)$

38.  $6(x-5) + -2(x+4)$

**Simplify each expression completely.**

39.  $\frac{3}{8} + \frac{2}{8}$

40.  $\frac{7}{9} - \frac{1}{9}$

41.  $\frac{7}{12} + \frac{9}{36}$

42.  $\frac{5}{8} + \frac{1}{2}$

43.  $\frac{33}{80} - \frac{4}{20}$

44.  $\frac{5}{6} + \frac{9}{7}$

**Simplify each expression completely.**

45.  $\frac{3}{8} * \frac{7}{5}$

46.  $\frac{7}{12} * \frac{4}{5}$

47.  $\frac{9}{10} * 5\frac{1}{2}$

48.  $\frac{2}{3} \div \frac{3}{14}$

49.  $\frac{5}{7} \div 2\frac{3}{5}$

50.  $3\frac{5}{9} \div 2\frac{11}{12}$

### Convert Decimal to Percent

51.  $0.239 =$

52.  $0.45 =$

53.  $2.586 =$

### Convert Percent to Decimal

54.  $140\% =$

55.  $57.9\% =$

56.  $16\% =$

### Convert Decimal to Fraction

57.  $0.15 =$

58.  $3.25 =$

59.  $0.462 =$

### Convert Fraction to Decimal

60.  $\frac{2}{7} =$

61.  $\frac{16}{20} =$

62.  $\frac{32}{5} =$

### Convert Fraction to Percent

63.  $\frac{9}{20} =$

64.  $\frac{3}{10} =$

65.  $\frac{15}{2} =$

### Convert Percent to Fraction

66.  $23.17\% =$

67.  $12\% =$

68.  $13.7\% =$

**Solve the equations below**

69.  $n + 4 = 90$

70.  $x - 12 = 14$

71.  $c + 5 = -8$

72.  $\frac{3}{4}x = 12$

73.  $\frac{x}{3} = -18$

74.  $3r = 27$

75.  $45n + 45 = 90$

76.  $\frac{k}{7} + 11 = 11$

77.  $36 = 6u + 30$

78.  $10 = \frac{t}{66} + 9$

79.  $15 = 2x - 7$

80.  $216 = \frac{r}{2} + 214$

81. What is 23% of 80?

82. What is 3% of 534?

83. What is 15% of 250?

84) A Shirt usually selling for \$140 is on sale at 25% off.  
coat?

What is the sale price of the

85) Joey purchased 5 CD's for \$12.00 each. What is the total cost for the CD's including a 6% sales tax?