Math 4 Summer Assignment Name_____

On my honor, I have neither given nor received unauthorized aid on this assignment._____

Evaluate each expression. Do not use a calculator. Show all work.

1) $(-45.6) - (-0.2) - (-28.1)$

2) $26.2 - 48.9 + (-8.9)$

3) $24.76 - 8.4 - 35.59$

4) $36.4 + (-12.03) - 0.1$

5) $(-1.3) - 43.1 + 30.4$

6) $(-0.5) + 28.8 - (-5.8)$

Evaluate each expression. Do not use a calculator.

7) $8\frac{7}{20} + \left(-\frac{1}{2}\right) + 24\frac{9}{70} - 27\frac{4}{5}$

8) $\frac{13}{32} - 32\frac{9}{16} + 2\frac{7}{18} - 16\frac{25}{34}$

9) $\frac{44}{31} - 24\frac{13}{14} - \left(-\frac{11}{16}\right) + \left(-\frac{4}{3}\right)$

10) $\frac{99}{64} + 34\frac{7}{22} - 7\frac{1}{10} - \frac{7}{8}$

11) $\frac{31}{25} + \frac{33}{52} + \frac{3}{4} + \left(-\frac{25}{39}\right)$

12) $32\frac{11}{27} + \left(-\frac{8}{19}\right) + \left(-\frac{13}{9}\right) + \left(-\frac{8}{19}\right)$

Simplify each expression.

13) $(-12 + k^4 - 2k^5) - (2k^3 - 6k^2 - 6k^4) + (-12 - 13k^4 + 9k^3)$

14) $(-2a^3 + 8 + 4a^4) + (-7 + 4a^3 + 10a^4) + (-12a^2 - 9 - 6a^5)$

15) $(11x^3 - 14x^4 - 6x) + (-3x^3 - 4x + 6x^4) + (8 - 10x - 11x^5)$

16) $(-9a^3 + 11 - 3a^2) + (-9a^2 - a^3 - 7) + (-11a^3 - 13 - 13a^2)$

17) $(12x^4 + 7x - 10x^2) - (3x^2 - 6x - x^4) - (-9x^4 + 12x - 10x^2)$

18) $(-2n^5 + 2 - 12n) - (4 - 14n + n^5) - (-4 - 9n^4 + 12n)$

Draw an angle with the given measurement.

19) 144°

20) 30°

21) 172°

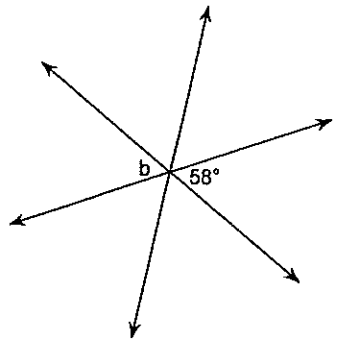
22) 138°

23) 94°

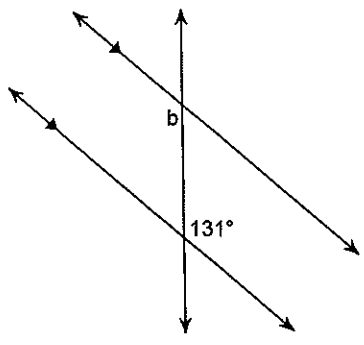
24) 52°

Find the measure of angle b.

25)



26)



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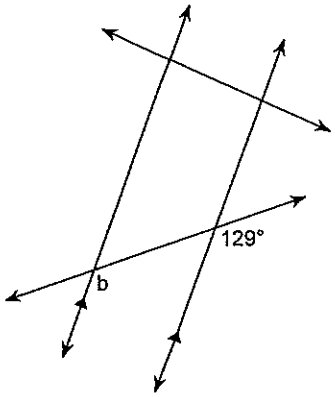

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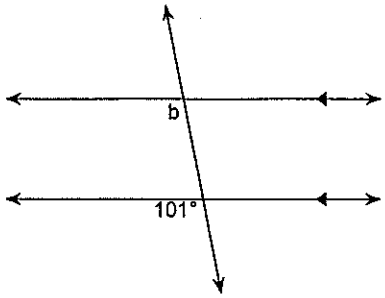

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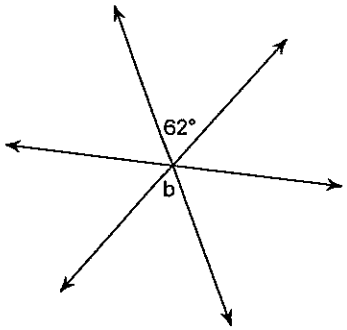
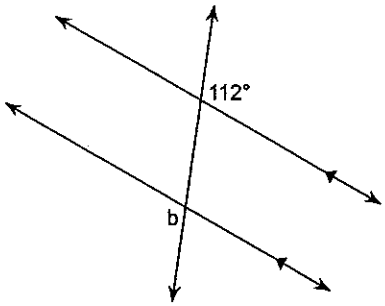


30)



Write each as a percent. Write remainders as a fraction.

31) $\frac{9}{10}$

32) $\frac{417}{500}$

33) $\frac{2}{3}$

34) $\frac{4}{25}$

35) $\frac{4}{11}$

36) $\frac{1}{10}$

Find each quotient. Do not use a calculator.

37) $2.8 \div -5$

38) $-4.4 \div -6$

39) $-4.2 \div -14.6$

40) $-4.7 \div -8.5$

41) $-12.5 \div 10.1$

42) $5.14 \div 6$

Find each product. Do not use a calculator.

43) 7.8×-15.3

44) 11.6×-19

45) -19.4×16.2

46) -11×0.3

47) 7×-16.7

48) -13.1×6

Round each to the place indicated.

49) 5.716060; ten-thousandths

50) 7.251; hundredths

51) 2.4625; thousandths

52) 3.4073; hundredths

53) 2.953; tenths

54) 2.71171; ten-thousandths

Evaluate each expression.

55) $\dfrac{1\frac{2}{3}}{-1} - \dfrac{7}{5} \times \dfrac{4}{3}$

56) $4\frac{2}{9} - \dfrac{1\frac{1}{2}}{-3\frac{3}{4}} \times 5\frac{1}{2}$

57) $5\frac{1}{2} + \frac{5}{8} - \left(-2\frac{5}{6}\right) - 2$

58) $\left(-\frac{1}{7}\right) - \dfrac{7 \times \frac{1}{4}}{-5\frac{1}{8}}$

59) $3\frac{5}{6} - 2\left(\left(-1\frac{7}{8}\right) - \left(-2\frac{4}{5}\right)\right)$

60) $\left(\frac{17}{10}\right)^2 - \left(\left(-2\frac{3}{4}\right) + 3\frac{9}{10}\right)$