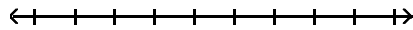


Name \_\_\_\_\_

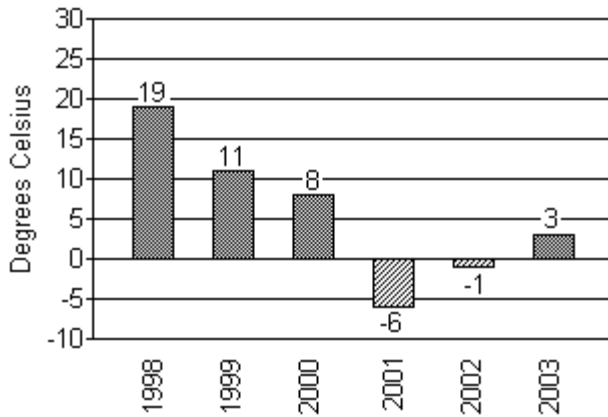
Each of the 30 questions is worth 3 points plus 1 point for each of 10 homework problems for a total of 100

**Graph the numbers on the number line.**

1)  $-10, -8, -6, -4$



The bar graph below shows the temperatures recorded as the high temperature in Little City on Brianna's birthday for the indicated years.



2) In which year was the temperature closest to  $0^{\circ}\text{C}$ ?

**Simplify.**

3)  $-|-2|$

**Insert  $<$ ,  $>$ , or  $=$  between the pair of numbers to make a true statement.**

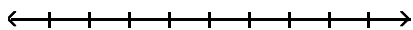
4)  $-12$  \_\_\_\_\_  $-(-25)$

**Choose all numbers for  $x$  from the given list that make the statement true.**

5)  $|x| > 6$ ;     $0, 6, -4, -8$

**Add the numbers using the number line.**

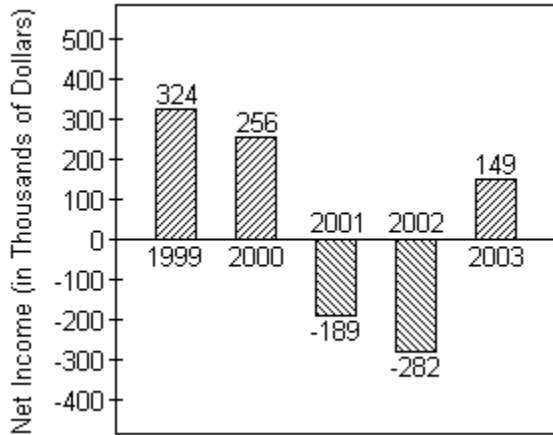
6)  $-2 + 4$



**Add.**

7)  $9 + (-14) + (-11)$

The bar graph below shows the yearly net income for Widgets, LTD.



8) Find the total net income for years 1999 and 2000.

**Solve.**

9) Lauren scored 3 points in her basketball game on Monday, 16 points on Wednesday, 6 points on Friday, and 11 points on Saturday. Find her total points scored for the week.

10) The temperature at 5 p.m. on January 20 was  $-11^{\circ}$  Fahrenheit. By 10 p.m. the temperature had risen 17 degrees. Find the temperature at 10 p.m.

**Subtract.**

11)  $-6 - (-5)$

**Add or subtract as indicated.**

12)  $6 - (-9) + 8$

**Evaluate the expression for the given replacement values.**

13)  $x - y$  for  $x = 17, y = -27$

**Solve.**

14) Trader Tower stands at 2741 feet high. Exchange Emporium is 840 feet tall. How much taller is Trader Tower than Exchange Emporium?

15) Kerry owed \$140, borrowed an additional \$120, and paid back \$65. How much did she still owe?

**Multiply.**

16)  $-10(-7)(-3)$

**Find the quotient.**

17)  $\frac{52}{-4}$

## Math090 PreAlgebra - Arrowsmith - PreTest 2

**Evaluate the expression for the given replacement values.**

18)  $xy$  for  $x = -1, y = -3$

**Solve.**

19) Ben lost \$226 on each of 8 consecutive days in the stock market. If he had \$15,945 before his loss, how much does he have after his loss?

20) A checking account had a beginning balance of \$1534. A deposit was made in the amount of \$1542. Every month for 12 months \$60 was withdrawn. How much money was left in the account at the end of the 12 months?

**Simplify.**

21)  $9 \cdot 5 - 4 \cdot 2 + (-20)$

22)  $(-10 \div 5) - (7 \div 7)$

**Evaluate the expression for  $x = -2, y = 3, z = -4$ .**

23)  $12x - y^2$

**Find the average of the list of numbers.**

24)  $-10, 3, -8, 9, -2, 4, 11$

**Evaluate.**

25)  $5(xy + 4)^x$  for  $x = 3$  and  $y = -2$

**Solve the equation.**

26)  $f - 14 = 9$

27)  $-25 = y - 20$

28)  $7z = -14$

29)  $\frac{n}{5} = -13$

30)  $-16x = -16$