Homework

Name: _____

Date: _____

Hour: _____

Homework 3.4 -# 2- Subtracting Expressions

Tell whether each statement is true or false. Then explain why.

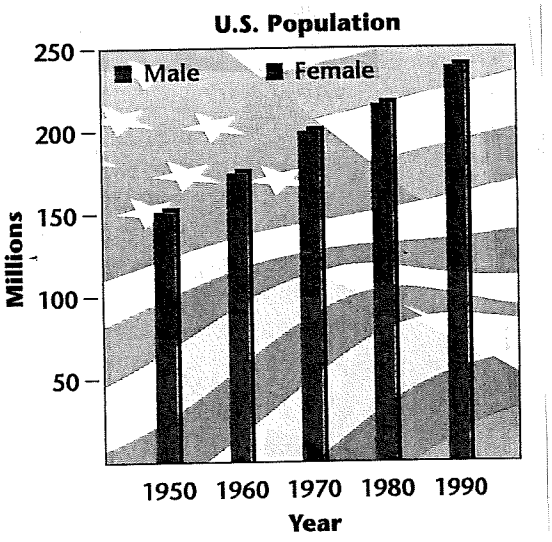
1.) $x - (y + z) = x - y + z$

2.) $x - (y - z) = x - y - z$

3.) $-x + (y - z) = -x - y + z$

4.) $-x$ is a negative number

Statistics- The graph is called a stacked bar graph. It shows the population of the United States by gender. For example, it shows that in 1970 there were approximately 100 million males and 100 million females in the United States.



5.) What was the female population in 1950?

6.) What was the male population in 1950?

7.) How many people were there in 1950?

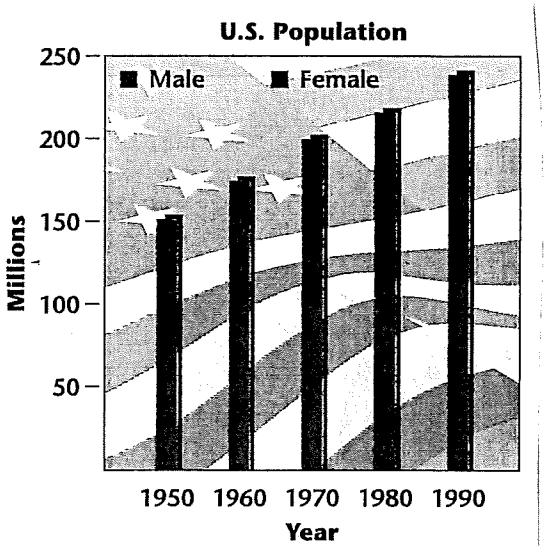
8.) What was the female population in 1980?

9.) What was the male population in 1980?

10.) How many people were there in 1980?

Homework

Tell whether the given statement about the stacked graph is true or false.



11.) The population rose during each 10 -year period.

12.) The number of males and females were approximately equal during each 10-year period.

13.) The number of females rose much faster than the number of males.

Fund-Raising- Students at Valley View High School are selling fruitcakes for a fund raiser. They ear $3 for each deluxe fruitcake and $2 for each regular fruitcake. How much would the students earn from sell.....

14.) 89 deluxe fruitcakes and 234 regular fruitcakes?

15.) *d* deluxe fruitcakes and *r* regular fruitcakes? (Write an expression)

Homework

Suppose students earn $3.75 for each deluxe fruitcake and $2.50 for each regular fruitcake. How much would they earn for selling....

16.) 89 deluxe fruitcakes and 234 regular fruitcakes?

17.) *d* deluxe fruitcakes and *r* regular fruitcakes?

Jodi sold 9 deluxe fruitcakes for $3.75 per cake and 23 regular fruitcakes for $2.50 per cake. Wayne sold 7 deluxe fruitcakes for $3.75 per cake and 27 regular fruitcakes for $2.50 per cake.

18.) How much did they earn together?

19.) Who earned more? How much more did this person earn?

20.) The school kitchen had 11 cases of juice plus 3 extra cans of juice. After lunch they had 6 cases of juice and no extra cans. How much juice was distributed during lunch?

21.) The first reading from a gauge is 100. The changes recorded at 1 hour intervals are -4, + 51, 0, + 7, -12, -78,+ 2, -13, -1. What is the current reading on the gauge?