1. 5/12+7/8=
2. ¾\*7/6
3. -44-22=

4-(-10)=

1. 7\*-3/2\*-1/9
2. Solve for t 224=106-t
3. Solve for y 6=-3/2y
4. Distributive property 9(x+9)
5. 3s-12=45
6. Solve for w 4w-8=-12
7. Solve for y 2(y+6)-8y=-30
8. Solve for x and simplify 7/2x-3/5=x-3/2
9. Solve for x and simplify -5(x-6)=5x+40
10. Solve the inequality for v v-7<18
11. Solve inequality for z -3z+2>-25
12. Solve the inequality for w 3w+14/5w+3
13. A local hamburger shop sold a combined total of 821 hamburgers and cheeseburgers on Thursday. There were 71 more cheeseburgers sold than hamburgers. How many hamburgers were sold on Thursday?
14. Diane purchased a prepaid phone card for $20. Long distance calls cost 16 cents a minute using this card. Diane used her card only once to make a long distance call. If the remaining credit on her card is 15.84 , how many minutes did her call last?
15. Graph the line y=-x-1
16. Graph the line with slope 2 passing through the point (5,1)
17. Graph the inequality on a number line x>-5
18. Find the slope of the line 3x-4y=2
19. Write the equation of the following line (graph shows a line with points at (4,-8) and (0,0)
20. A line passes through the point (x,y) = (2,-8) and has a slope of -6. Write an equation for this line.
21. Write equations for the vertical and the horizontal lines passing through the point (-7,2) in (x,y) coordinates.
22. Suppose that a household's monthly water bill (in dollars) is a linear function of the amount of water the household uses (in hundreds of cubic feet, HCF). When graphed, the function gives a line with a slope of 1.65. See the figure below. (figure shows a vertical line which show monthly cost in dollars and a horizontal line which shows water usage measured in HCF, the water usage is 20 and the dollar amount is 23.66)

If the monthly bill for 20 HCF is $23.66 , what is the monthly bill for 24 HCF?

1. Find the values of x and y that solve the following system of equations

7x+3y=13

-5x-2y=-10

1. Find the values of x and y that solve the following system of equations

4x+9y=-16

6x-7y=-24

1. Find the two numbers whose sum is 42 and whose difference is 12 (call the two numbers x and y)

X=

Y=