The math Problems that I need help with are below.

#1) Find the slope, if it exist, of the line containing the pair of points.

 (8,10) and (9,-6)

 The slope m= What?

#2 Find the slope and the y- intercept

 F(x) = -10x -3

 The slope is what?

 The y- intercept is (0, what other #)

#3 Find the indicated outputs for f(x) =3x² -2x

 F (0)= what?

 F (-1) = what?

 F (2) = what?

 #4 in 1920, the record for a certain race was 45.1 sec. In 1960, it was 44.7 sec. Let R(t)= the record in the race and t = the number of the years since 1920

1. Find a linear function that fits the data
2. Use the function in (a) to predict the record in 2003 and 2006.
3. Find the year when the record will be 44.18 sec

 Find a linear function that fits the data

R(t) = What?

Round to nearest hundredth

What is the predict record for 2003 ?

Round to nearest hundredth

What is the record for 2006?

Round to nearest hundredth

In what year will the predicted record be 44.18 second?

Round to nearest year.

#5 Find an equation of the line containing the given pair of points.

 (3,1) and (9,5)

 Y= what?

#6 Given the function k described by K(x) = x+13, find each of the following:

 K (0) = what?

 K (-4) = what?

 K (-9) = what?

 K (3) = what?

 K (y+10) = what?

#7 Find the slope and the y-intercept of the line 9x=5y+25

 The slope is what ?

 The y –intercept is (0, what ?)

#8 p(x) = 2x-1

 What is the correct domain?

#9 the function W (d) = 0.112d approximates the amount, in centimeter, of water that results from d cm of the snow melting. Find the amount of water that result from snow melting from depth of 18cm, 33cm, and 89cm.

 18cm of snow melting produces what? Cm of water

33 cm of snow melting produces what? Cm of water

89 cm of snow melting produces what? Cm of water

#10 Find an equation of the line having the given slope and containing the given points. Express your answer in the form y=b or mx+b

 M= 0, (0,-3)

 The equation of the line is y= what?

#11 Determine whether the graph of two lines are parallel.

 Y+2 =8x

 9x –y = -2 Are the graphs of the given equations parallel? Yes or no?

#12 Write an equation of the containing given point and parallel to the given line. Express your answer in the form y=mx+b

 (-3,6); 9x=4y+5

The equation of the line y= what? Simplify answer.

#13 The table list data regarding the average salaries of the several professional athletes in the years 1991 and 2001.

Year 1991 Average salary was $272,000

Year 2001 Average salary was $1,480,000

1. Use the data point to find a linear function that fits the data
2. Use the function to predict the average salary in 2005 and 2010

A linear function that fits the data is S (x) = What?

Let x = the number of the year since 1990 , and S = the average salary x years from 1990.

The predicted average salary for 2005 is What?

The predicted average salary for 2010 is What?

Round to nearest whole number.

#14 Find the slope intercept equation of the line that has given characteristics.

 Slope 3 and y- intercept (0,9)

The slope –intercept is y= What?

#15 Determine whether the graphs of the two equations are perpendicular.

 X+2y=5

 2x+4y=7

Are the graphs of the given equations perpendicular? Yes or no