Linear Word Problems: Worksheet 1

Name:	MATH * ALL
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Give the equations of the lines that model:

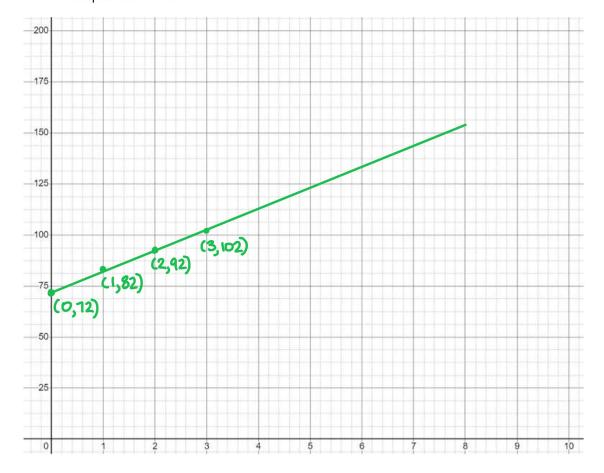
Someone who has \$150 in the bank and adds \$25 per month to it:

A=150+25·m

A pool has 2600 gallons of water and it is emptying at a rate of 3 gallons per minute:

A person read 72 pages of a book and reads 10 pages per day:

Graph this one:

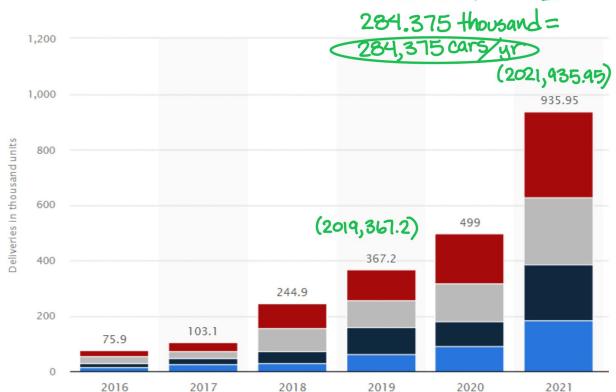


What is the rate of change of the number of Tesla vehicles delivered from 2019 to 2021?

(Data from statista.com)

Notice that each amount is in thousands of cars.

 $\frac{935.95 - 367.2}{2021 - 2019} = \frac{568.75}{2} =$



Year	Population
2020	331,002,651
2019	329,064,917
2018	327,096,265
2017	325,084,756
2016	323,015,995
2015	320,878,310
2010	309,011,475
2005	294,993,511
2000	281,710,909

2

What is the rate of change of the United States population between 2000 and 2020? (Data from worldometers.com)

(2000, 281,710,909) (2020, 331,002,651)

331,002,651-281,710,909 = 49291742 =

2,464,587 people/yc

How much you spend on oats is directly related to how many pounds you buy. If I spent A=k.p 8.60=k.4 \$8.60 and bought 4 pounds...

What does k represent? how much oats are per pound If I bought 7.3 pounds, how much would I pay?