

Sept. 7, 2016

SWBAT Multiple Representation of Inverse Functions

Wishful Wednesday

What is one invention that you wish existed?

Why?

It's

I wish a time machine existed because if something you want back your easily ^{open} to get what you want especially if it's really significant to you.

Sept. 9, 2016

SWBAT determine & recognize inverse functions

What are you excited about right now?

Why?

I am excited to see my boyfriend next weekend because when we are together we have the best time. I am also excited about Gregori's first home game because my brother plays today & it's his first game at a new school.

Notes!

Ex. A) $d = .03(55)^2 = 90.75$ ← feet you should leave if driving at
 $d = 91\text{ft}$ 55 Miles

Ex. B) $d = .03(100)^2$ ← distance you should keep between driving at
 $d = 300\text{ft}$ 100 Miles

Ex. C) $\frac{300}{16} = 18.75 = 19\text{ft}$ ← average car 16 ft long, how many
16 car lengths you leave between driving 100 miles

$$.03(10)^2 = 3$$

$$.03(20)^2 = 12$$

$$.03(30)^2 = 27$$

$$.03(40)^2 = 48$$

Speed x	distance f(x)
10	3
20	12
30	27
40	48

$d = [0, \infty)$ CONTINUOUS

$F = [0, \infty)$ MINIMUM $y=0$

INCREASING $[0, \infty)$

DRIVER HIT THE BRAKER AT $s = 32$ MPH

$$\text{WORK: } \frac{31}{.03} = \frac{.03s^2}{.03}$$

$$\sqrt{1033} = \sqrt{s^2}$$

$$\frac{15}{.03} = \frac{.03}{.03} =$$

$$d = .03s^2$$

$$15(.03) = \sqrt{500} = \underline{22.36}$$

$$s = \frac{.03d^2}{.03 \cdot .03}$$

$$\sqrt{\frac{s}{.03}}$$