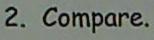
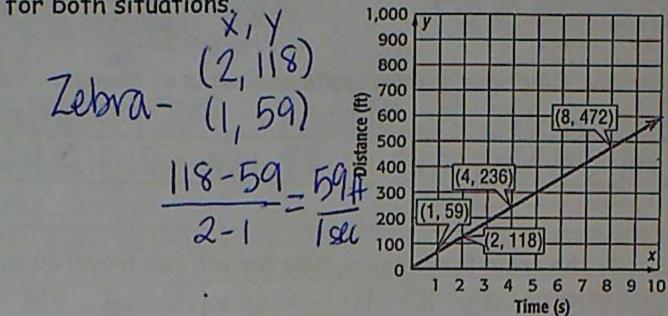
<u>Lesson 5 - Compare Properties of Functions</u> <u>Objective</u>: We will compare properties of functions.

kample 1: A zebra's main predator is a lion. Lions can run at a speed of 53 feet per second over nort distances. The graph shows the speed of a zebra. Compare their speeds.

1. Find the rate of change for both situations,

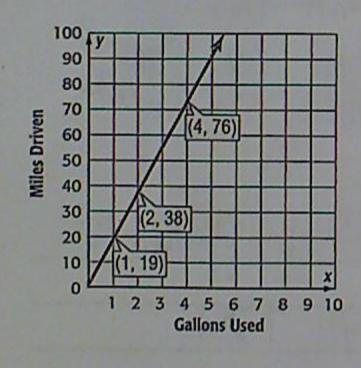


Lion - 53ft 1 sec



The Zebra runs faster b/c 59>53.

xample 2: A certain car has a gas mileage of 22 miles per gallon. The gas mileage of a certain port utility vehicle is represented by the function shown. Compare their gas mileage.



Car-22mi

Suv- (2,38) $\Delta y = \frac{38-19}{2-1} = \frac{19m}{19m}$

The car gets better gas mileage b/c

