

The following are all the math skills required in this course. You do not need anything other than the following as far as math is concerned to survive this course.

Ch 3, 8, 19 Find the slope of Line A in figure 1.

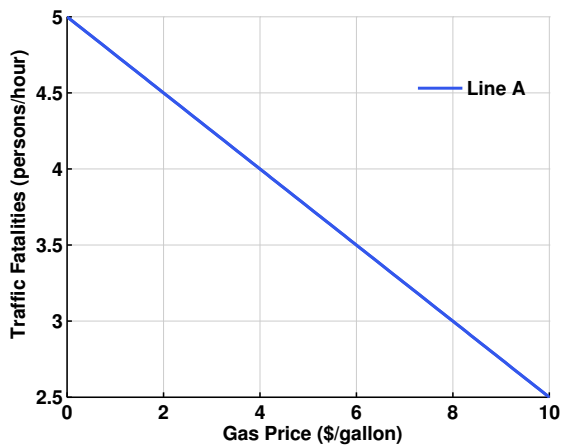


Figure 1.

Ch 3, 19 Compute the value of $\frac{1}{1-x}$ when $x = .6$.

Ch 3, 19 Sketch

$$y = 200 + \frac{1}{4}(x - 200) \quad (1)$$

on the graph with x on the horizontal axis and y on the vertical axis.

Ch 3, 19 What is the slope of (1)?

Ch 5, 19, 20 Sketch a combination of x and y where $y \geq 200 + \frac{1}{4}(x - 200)$ on the graph with x on the horizontal axis and y on the vertical axis.

Ch 3, 5, 19, 20 Find x , y and z that satisfy the following equations:

$$\begin{cases} x = 800 + \frac{1}{4}(z - 200) \\ y = z \\ x = y. \end{cases}$$

Ch 4, 5, 19, 20 Find a , b and c that satisfy the following equations:

$$\begin{cases} a = 2000 - 8000c \\ b = 1600 \\ a = b. \end{cases}$$

Ch 5, 19, 20 Find x and y that satisfy the following equations:

$$\begin{cases} y = -2000x + 1100 \\ y = 4000x + 800. \end{cases} \quad (2)$$

Ch 5, 19, 20 Sketch two equations in (2) with x on the horizontal axis and y on the vertical axis.

Ch 8 Find the value of x where a and b will be the same in the following:

$$a - b = .033 - .55x.$$

*Department of Economics and Finance, Lamar University