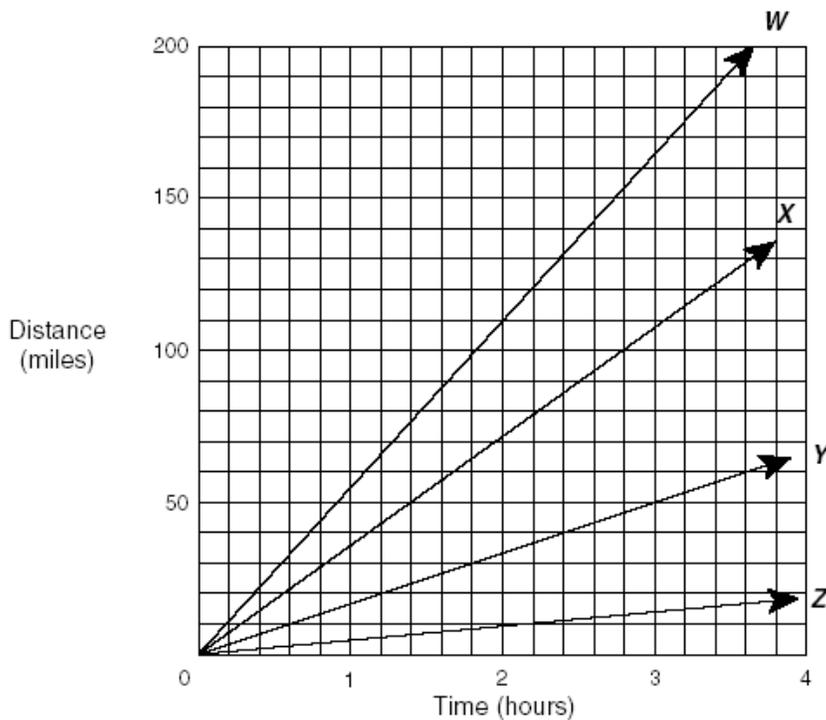


EOC-Looking Through the Right Window

Teacher Notes

How do you get your calculator to show the graph on the page? Look at the question given below. Writing the equation for the problem uses a formula with which the students are familiar. So, why do so many select the wrong answer when this type of question is on a test? Students do not know how to set the window in the graphing calculator to match the graph given in the context of the problem.

In the distance formula $d = rt$, r represents the rate of change, or slope. Which ray on the graph best represents a slope of 55 mph?



- A W
- B X
- C Y
- D Z

EOC-Looking Through the Right Window

Writing the equation for the problem situation. _____ $d=55t$ _____

Look at the horizontal axis.

What is the minimum x value shown on the graph? 0

What is the maximum x value shown on the graph? 4

By what are you counting(x scale)? 1/5

When looking at the x scale, the student may not know that you are counting by .2 but they can see that 1 is subdivided into 5 parts.

What is the minimum y value shown on the graph? 0

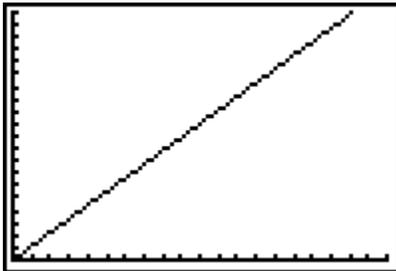
What is the maximum y value shown on the graph? 400

By what are you counting(y scale)? 50/5

```
Plot1 Plot2 Plot3
Y1=55X
Y2=
Y3=
Y4=
Y5=
Y6=
Y7=
```

```
WINDOW
Xmin=0
Xmax=4
Xscl=.2
Ymin=0
Ymax=200
Yscl=10
Xres=1
```

The calculator will change the x-scale to the decimal equivalent for 1/5.



Setting a window that matches the given graph, you can see that the correct answer choice is W.