

Lesson 8 - Animation - Graphics

Name _____ Rm # _____

Create a word processing document called "Lesson 8 - Animation".
Put heading on document.

1. Enter the following program. Study it carefully. Run it.

```
Rem Animation
Set window 0,40,0,40
Rem Drawing sky
Set color "blue"
Box area 0,40,0,40
Set color "green"
Rem drawing grass
Box area 0,40,0,10
Rem drawing car
Set color "red"
Plot area: 10,11;15,11;15,14; 10,14
Rem Loop to draw and erase
For x = 0 to 15
Pause 1
Set color "red"           !drawing CAR
Call car (x)              ! go to subroutine to draw car
set color "blue"         !erasing in background color
Call car (x)              ! go to subroutine to draw car
Next x                    ! moves car 15 spaces
End
Sub car (x)               !subroutine for car
Rem - Moving car to the right
Plot area: 10+x,11; 15+x,11; 15+x,14;10+x,14
End sub                   ! returns to line after the call command
```

2. Change the program above so that the car is drawn at the end of the program. In line 5 name the program "One Last Time". Copy listing and save to word processing document "Animation - Lesson 8".
3. Change the program above so that the car moves on a diagonal from left to right. In line 5 name the program "On the Diagonal". Copy listing and save to word processing document "Animation - Lesson 8".
4. Change the program above so that the car starts on the right side of screen and moves backwards. In line 5 name the program "Backwards". Copy listing and save to word processing document "Animation - Lesson 8".
5. Change the program on the previous page so that the car moves up the screen. In line 5 name the program "Going up". Copy listing and save to word processing document "Animation - Lesson 8".
6. Change the program on above so that the car starts at the top of the screen and moves down. In line 5 name the program "Car Going Down". Copy listing and save to word processing document "Animation - Lesson 8".
7. When done with all the programs above, print your word processing document and

turn it in.