

4. What is the slope of the line that includes the following two points? *Note: You may use the calc.exe or calc Calculator program to get the final answer, but you **MUST SHOW ALL your work** from the start to the finish step by step so I know you understand the equation and so I can give you lots of partial credit if you just did the arithmetic (divide or subtract or add) wrong. Point a is (2, 3) Point b is (5, 10).*
5. What is the **distance** between the two turtles, turtle 0 and turtle 1? The distance between the AIRPLANE and the BUG shapes. Their settings (facts) are shown below. **Show ALL your work!**

The image shows a NetLogo workspace with two turtle monitors and a central workspace. The workspace is divided into four quadrants by a horizontal and vertical axis. A central arrow points downwards from the top center. The workspace contains an airplane shape at (2, 7) and a bug shape at (5, 3). There are also two small black shapes at (2, 2) and (5, 2).

turtle 0

who	0
color	0
heading	0
xcor	2
ycor	7
shape	"airplane"
label	"
label-color	9.9
breed	turtles
hidden?	false
size	2
pen-size	1
pen-mode	"down"

turtle 1

who	1
color	0
heading	45
xcor	5
ycor	3
shape	"bug"
label	"
label-color	9.9
breed	turtles
hidden?	false
size	2
pen-size	1
pen-mode	"up"