Pledge: I pledge my honor that I have abided by the Stevens Honor System.

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## Lab #4 With GDB

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| Comparison | Com
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After setting up my terminals, my first commands were two breakpoints. The first breakpoint is at the start of the program: **b\_start.** My second breakpoint is at the label where my program finishes: **b\_done.** I used the continue command to jump straight to the done label to exit the code: **c**. I then used **x**/ **\$x1** to find the value of X1, but I couldn't access it. I went back to look at my code and I forgot to store the value back into memory. Therefore, I went back to my code and stored the dot product into register X5

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### Application of the control of th
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I then used the command x/ \$x5 to dereference register 5 and print out its value, which happens to be the dot product of 140.

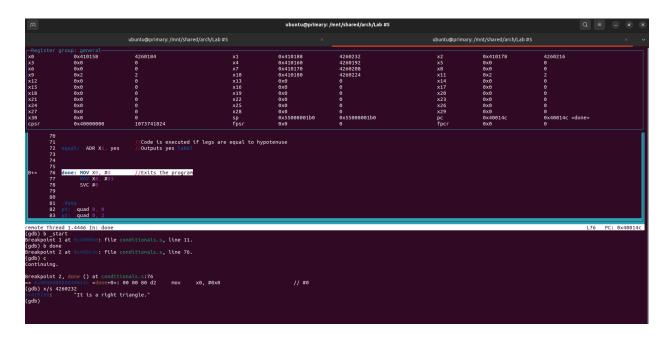
Lab #5 With Default Points (0,0) (0,2) (2,0)

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Descriptions of the conditionals of the conditional of t
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After setting up my terminals, my first commands were two breakpoints. The first breakpoint is at the start of the program: **b\_start.** My second breakpoint is at the label where my program finishes: **b\_done.** 

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### Application of the properties of the propert
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I used the continue command to jump straight to the done label to exit the code: c.



After continuing, I tried printing the string with the x/s <address value> command. The address value for X1 is 4260232; therefore, I typed x/s 4260232. As expected, the default coordinates do form a triangle.

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### According to the property of the property
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To make sure the output was correct, I used the x/s \$x1 command to check the value of the x1 register, which prints out "It is a right triangle."

Lab #5 With Custom Points (0,4) (1,2) (3,2)

I ran the same commands as with the first potential triangle coordinates. First, I set the breakpoints at the start and at the label that exits my program: **b\_start** and **b done.** I then used the continue command to jump to the end of my program: **c.** I then used the same printing string

command, x/s, with the address value presented in the terminal, **4260256.** As expected, my triangle is not a triangle.

To make sure the output was correct, I used the x/s \$x1 command to check the value of the x1 register, which prints out "It is not a right triangle."