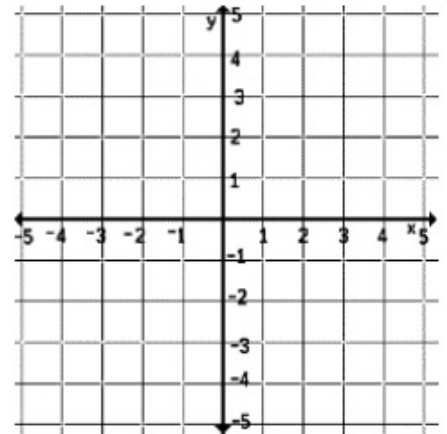


0. State: ###.First.Last.Q2 _____
and put it on each sheet of paper. **There is no partial credit on this quiz.**
00. My email is _____
00. By my initials, I swear, with this test/quiz, no one has helped me, I have helped no one, I have not used any artificial intelligence tool/webpage. _____
000. Submit by renamed, attached email sent to precalc@mathnstuff.com by 11:59 PM, 9/12.

Do not choose anything until you have read the entire quiz.

1. Where a horizontal grid line and a vertical grid line intersect,
 - 1a. Pick a point, plot/graph the point, and label it A.
 - 1b. Pick a second point, plot/graph the point, and label it B.
2. Draw a line segment from A to B. It is called segment AB.
3. Compute the slope of segment AB. _____
4. State the midpoint of segment AB. _____
5. Compute the distance from A to B in both simplest radical form and as a decimal approximation. _____
6. Write the equation of the line AB in:
 - 6a. slope-intercept form _____
 - 6b. point-slope form _____
 - 6c. standard form _____
 - 6d. general form _____



7. Where a horizontal grid line and a vertical grid line intersect, **but is not on the x-axis**,
 - 7a. Pick a point, plot/graph the point,
 - 7b. Let this point be the "vertex" of a square root function, as in for (0,0), (1,1), (2, $\sqrt{2}$), (3, $\sqrt{3}$), (4, $\sqrt{4}$), ..., one would use (0,0) as a "vertex."
 - 7c. "Polka dot" and then cleanly draw the graph of your square root function, but, in its equation, at least one negative sign or subtraction sign must be required to writing your square root function.
 - 7d. State its domain. _____
 - 7e. State its range. _____
 - 7f. Write the equation of your function.

