MIDPOINT

California Geometry Standard 17: Students prove theorems by using coordinate geometry, including the midpoint of a line segment, the distance formula, and various forms of equations of lines and circles.

Yeah, with a beat like this you can't lose
Sim King on the beat and I'm posted in the middle
I post in the middle

Verse 1
The midpoint, rest in the middle of the segment
Imma keep it simple, yes
I got the info so don't stress
Yo don't guess, it's not complex
Start with the line segment A-B
With the formula you'll see, it's easy
Just take the notes and apply the formula
For the X and Y, yes
Start with the X, X_1 plus X_2 over 2
That's all you gotta do
Now do the Y, Y_1 plus Y_2 over 2
That's all you gotta do
Easy, just add the endpoints then divide
Midpoint, you'll find
Let's try when point A is (1, 5)
And point B yo is (5, 9)

Chorus
Post, I'm the middle of a segment
Midpoint really be the middle of a segment? Yes
X_1 + X_2 over 2, Y_1 + Y_2 over 2

How do you find the X?
Solve X_1 +X_2 over 2
Now the Y is next
Solve Y_1 + Y_2 over 2

Verse 2
Back to the formula
X_1 + X_2 over 2, all you gotta do
Y_1 + Y_2 over 2, yo to find the midpoint
That's all you gotta do
Back to points, A is (1, 5) and B is (5, 9)
X_1 1 and X_2 5, Y_1 5 and Y_2 9
Plug 'em in, you'll get 1 + 5 over 2
And 5 + 9 over 2
That's 6 over 2 and 14 over 2
Divide now you gotta do
3 the new X, 7 the new Y
Coordinate for the midpoint
Yo just apply X_1 + X_2 and Y_1 + Y_2 over 2

Chorus x2