Description: Yonny works on James' Guess My Rule problem **Parent Tape: Early algebra: Investigating linear functions, Series 3 of 7: Graphing and sharing Guess My Rule problems, Clip 7 of 7** **Date: 2005-11-03** **Location: Frank J. Hubbard Middle School – Plainfield, NJ** **Researcher: Carolyn Maher**	**Transcriber(s): Yedman, Madeline** **Verifier(s): Tripathy, Sadhwvi** **Date Transcribed: Spring 2009** **Page: 1 of 2**

Time	Speaker	Transcription
00:00	R1	This is what I want you thinking about okay? That's what you're noticing there, we're looking for a rule that actually tells me what I can do with this number to get this number as the answer. And that rule has to work with every pair of numbers here. That's what we're asking you guys to find out. So like on that last one we said x times two plus one. We can take this number, multiply it by two, add one and that's were that answer came from. That's what they were saying on this one.
	Yonnie	Ariel come here.
	R1	He's working on a different problem there.
	Yonnie	He gunna tell me the answer
	R1	He's not going to tell you the answer, he is going to see if you can figure it out. Okay? But this is what was different about this one. You guys are talking about what happens in this direction, which is a good description because that's important. But what we're asking you to find is a rule of what tells us what to do with this number in order to get this as the answer. So for this particular one it was x times two plus one.
	Yonnie	This times two plus one.
	R1	Right this ones times two plus one, right. And it works for all of these.
	Yonnie	Yeah
	R1	So what rule would work for all of these? That you would always do to this x number to get this as the answer. So that's what you're trying to find. Okay? You can talk to Brandon about it up there if you'd like
	Yonnie	Wait.
	R1	I'll be back to check on you in a little
	Yonnie	I found it
	R1	One times three equals three, where'd twelve come from?
	Yonnie	It's times three plus nine, I'm done.
	R1	Times three plus nine?
	Yonnie	Yeah
	R1	Okay, prove to me that it always works.
	Yonnie	Oh god this teachers insane
	R1	Insane to know if it always works.
	Yonnie	*Mumbles work out loud* three times three plus nine

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R1	Okay how do we write that rule in then? What times three? Or what is that? Is that plus three? Is that what you were doing here?
Yonnie	Oh, there you go I'm done. Ariel I finished your problem.
R1	Alright that's good. It's an idea, except you have to write it in another way. What does this mean? When I see something written like that with three different pairs it tells me that I'm going to graph these sets of numbers. How would you write this as an equation? What are you multiplying by three? What over here and you multiplying?
Yonnie	x? Oh wait
R1	Okay.
Yonnie	I mean n
R1	Or in this case what are these numbers (Pointing to the x column)
Yonnie	x times three plus nine equals y.
R1	Can you write it for me? I've got anther one for you to try.
Yonnie	I'm done!