**Can We Both Be Right?**

***Find an equation for the line passing through the two points (6, 9) and (12, 13).***

Alexis says, “I know, the first thing we can do is to find the slope.” Shonda agrees. They calculate the slope and come up with the same answer.

* 1. What is the slope of the line?

Shonda says, “Now that we have the slope, we can use the point-slope form of the equation.”

Alexis agrees, but asks, “Which point should we use?”

“I’m not sure,” replies Shonda. “Does it really matter?”

“Let’s each try it with a different point and see if we get the same answer,” Alexis suggests.

1. Alexis uses the point (6, 9) to write an equation in point-slope form. What equation does Alexis write?
2. Shonda uses the point (12, 13) to write an equation in point-slope form. What equation does Shonda write?

“These two equations sure look different,” Shonda comments. “I wonder if one of us made a mistake.”

1. Show that your two equations are indeed the same by rearranging both into slope-intercept form.