**Ms. Thomas: Smiley Face**

Ms. Thomas [So everybody on your paper, X plus 4 times X minus 3. X plus 4 times X minus 3.] Thanks book. Hopefully it’s on the right page. Now, I’m going to make a little face. You guys ready for my face.

Ms. Thomas Whatever I do on my board, you do on your paper. Everything. (inaudible). All righty. So X plus 4 time X minus 3. So here’s the first part of my not so great face. Here’s the eyebrow of one part of the face. That is one eyebrow.

Ms. Thomas Got the one eyebrow? Okay, so what’s X times X?

Student 1X.

Ms. Thomas Not one X. X what?

Student Squared?

Student X squared.

Ms. Thomas X squared. So X times X is going to give me X squared.

Ms. Thomas Now, here’s the other part of my face. You have 4 times negative 3. What’s 4 times a negative 3? Sorry Billy.

Student Negative 12.

Ms. Thomas Negative 12. Okay. So, so far we have the eyebrows of the person. Now we’re going to give this person a little pointy nose which is going to be 4 times X.

Ms. Thomas And then we’re going to try and give him a nice smile and we’re going to add- multiply X times a negative 3. And what’s X times negative 3? X times a negative 3? Negative what?

Student Negative 3?

Ms. Thomas Negative 3, half way there.

Student X.

Ms. Thomas Negative 3X. So if we had X squared plus a negative 12 plus 4 X minus 3. Do I have any like terms? Where are my like terms at?

Student 3X.

Ms. Thomas Okay, so what’s 4X minus 3X?

Student 1X.

Ms. Thomas 1X, or what? Or X plus X squared minus 12, right? So I have X squared minus 12 plus 1X. But remember, we have to put it in descending order. So we’re going to have X squared plus X minus 12. X squared plus X minus 12.

Ms. Thomas You don’t like my face? I like its face. So this is your final answer. X squared plus X minus 12. And tomorrow I’m going to show you how to check it.