00:36:05 Ankur: **Researcher guidance; communication improvement**

**Researcher guidance; clarifying the problem.**

Michael: **Researcher guidance; working individually**

**Researcher guidance (Clarifying the problem). Informal presentation.**

Jeff: **Working individually**

**Answer checking. (Jeff appears to be copying Michael’s work)**

Ankur: The description states: “ask the question one more time” – Ankur is asking for the problem to be clarified.

Michael: Michael is attempting to verify the question, and he writes on the board to ensure he is interpreting correctly.

Jeff: Jeff appears to be copying the work, and checking it as he writes.

00:36:35 Ankur: **~~Administrative discussion~~ -- Collaboration**

**Checking answer.**

Ankur: Ankur is contributing to Michael’s presentation, checking his work. “write (a+b)^n” This is not a generic statement.

00:37:10 Jeff: **Communication improvement**

**Informal presentation.**

Jeff: Jeff does not appear to be clarifying an explanation, but rather producing a new idea for discussion. He is either answer checking his previous formula, or informally presenting his idea to the group. Because he is leading the group discussion aloud, I will code this as informal presentation.

00:37:50 Michael: **Informal presentation**

**Checking answer.**

Jeff: There are two reasons why this could be coded as communication improvement.

1) Jeff is building upon what Michael wrote on the board.

2) Jeff is clarifying his explanation.

This is not really “checking,” and I had originally coded for presenting because his explanation is so long, but it is all a better fit for clarifying.

Michael: Description: “Michael agrees he understands Jeff” – agreement is coded as answer checking. Michael also challenges Jeff’s explanation. He is at the board, writing ideas for presentation, but he does not appear to dominate this segment with presenting.

00:39:20 Michael: **Communication improvement**

**Clarifying the problem.**

Romina: **Communication improvement**

**Clarifying the problem.**

Michael and Romina are asking the researcher questions to clarify what problem they should be solving.

00:39:40 Michael: **Informal presentation**

**Checking answer.**

Jeff: **Communication improvement**

**Informal presentation. Checking answer.**

00:42:45 Jeff: **Researcher guidance; collaboration**

**Researcher guidance. Informal presentation.**

Notes: Jeff is at the board, acting as the group’s leader through presentation.

00:43:15 Jeff: **Communication improvement**

**Informal presentation.**

Notes: Jeff is still acting as ‘the presenter.’

00:43:45 Jeff: **Communication improvement**

**Checking answer.**

Notes: Jeff is commenting on an answer, requesting an explanation. The effect is shorter/different because there had been no original explanation to clarify.