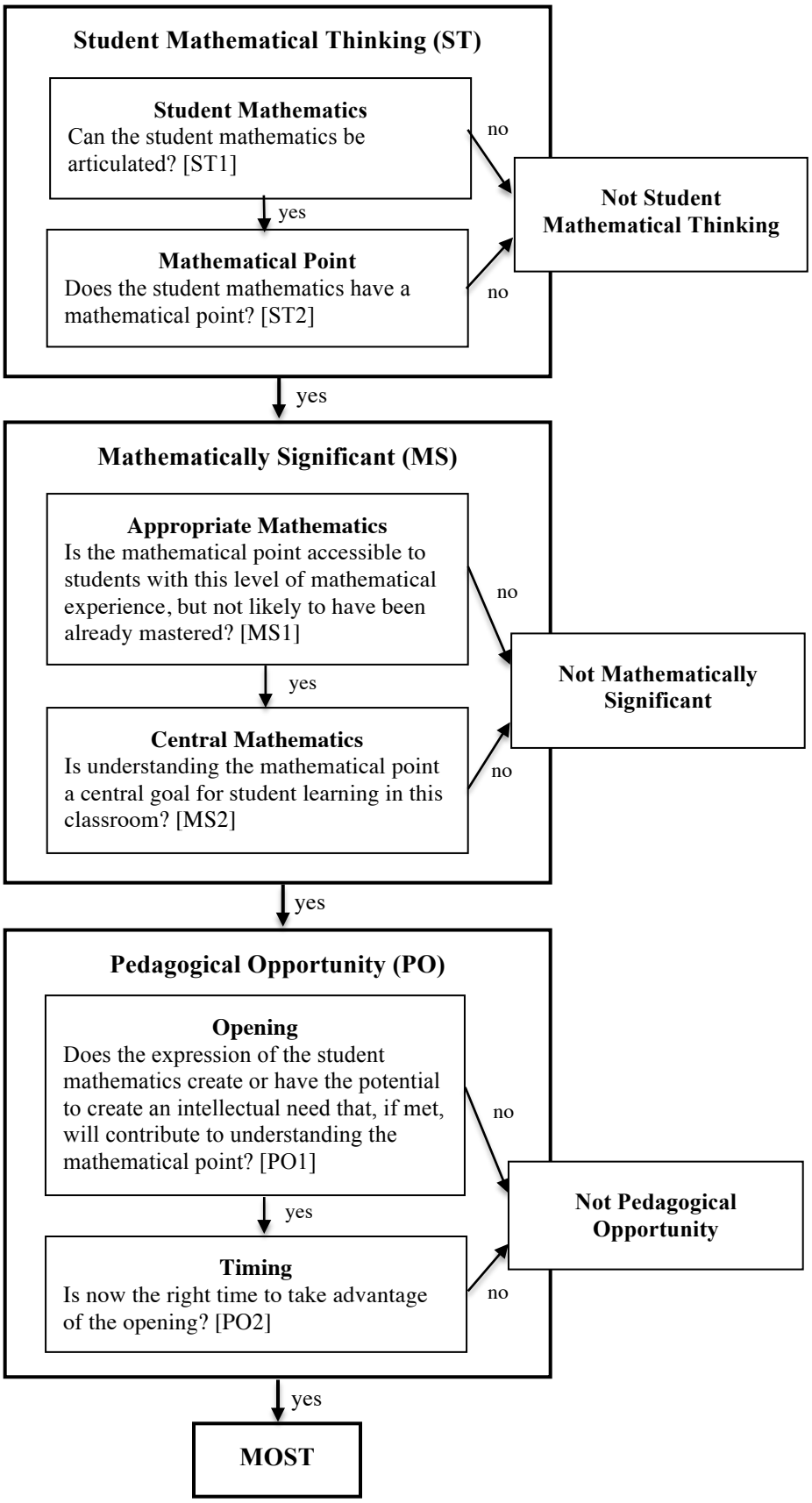
Student Mathematical Thinking (ST)
Student Mathematics
Can the student mathematics be articulated? [ST1]
no
yes
Mathematical Point
Does the student mathematics have a mathematical point? [ST2]
no
Not Student Mathematical Thinking
yes
Mathematically Significant (MS)
Appropriate Mathematics
Is the mathematical point accessible to students with this level of mathematical experience, but not likely to have been already mastered? [MS1]
no
yes
Central Mathematics
Is understanding the mathematical point a central goal for student learning in this classroom? [MS2]
no
Not Mathematically Significant
yes
Pedagogical Opportunity (PO)
Opening
Does the expression of the student mathematics create or have the potential to create an intellectual need that, if met, will contribute to understanding the mathematical point? [PO1]
no
yes
Timing
Is now the right time to take advantage of the opening? [PO2]
no
Not Pedagogical Opportunity
yes
MOST