TACTivities as a Learning tool for the Mathematics classroom

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What is a TACTivity?

- A tactile activity that encourages collaboration and engagement.
 - ✓ Tactile (movable pieces)
 - ✓ Actively engages students
 - Can be used to help teach or to review a concept
 - Most are designed for groups of 2-4 students





To reinforce material



To teach conceptual understandings





To teach new material



To teach conceptual understandings

Growth rate of sequences





To reinforce material



To teach new material

Definition of Derivative



Definition of Derivative

1. Order the steps to calculate the derivative (slope of the tangent line) using the definition.



Definition of Derivative

2. $f(x) = 3x^2 - x$. Find f(x) by circling the correct next step from each row. In the third column, explain why this is the correct step and what caused the error in the incorrect step.





To review material

Series Dominoes



Integral Dominoes



Integral Dominoes



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Questions?

- Please do not hesitate to contact me!
- E-mail: <u>ang.hodge@gmail.com</u>
- Website: <u>http://math.colorado.edu/activecalc/</u>
- Website needs some updates.