

Derivatives Review Activity (10/24/19)

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| 5-10 | <p>Explain: (concepts, procedures, vocabulary, etc.) Here are the directions/steps for the review game:</p> <ol style="list-style-type: none"> 1. Students will get into groups of three (with one group of four) for the review, and each student will need notebook paper. 2. Each group will get a baggie with 15 review problems. 3. On my go, the groups will be able to start going through the problems one-at-a-time. <p>Important: You will only be able to move on to the next problem when everyone in your group has the correct answer.</p> <ol style="list-style-type: none"> 4. When everyone thinks they are ready, one student will need to raise his/her hand to get my attention and I will check everyone's answers. 5. The first group to finish all the problems, or get the farthest in the time allotted, wins. <p>Then, I will ask: Can someone please re-state what I am asking you to do for this review activity?</p> | |
| 35-45 | <p>Explore: (independent, concrete practice/application with relevant learning task -connections from content to real-life experiences, reflective questions- probing or clarifying questions) As students are working through the review, I will be walking around the classroom and utilizing purposeful proximity to monitor each group's progress. This review should take all or most of the rest of the class period.</p> | |
| 5-10 | <p>Review (wrap up and transition to next activity): If time allows, at the end of class (or at the beginning of class the next day), I will go through the top few problems that the groups struggled with during the review. Afterwards, I will ask what questions the students still have about the review, or the concepts in general. This extra review will be a good teaching moment and will better prepare the students for their derivatives test.</p> | |
| | <p>Formative Assessment: (linked to objectives) Progress monitoring throughout lesson- clarifying questions, check-in strategies, etc. I will be walking around the classroom during the review activity, to monitor student progress and check for questions. If enough groups have the same question or are struggling with the same problem, I will have everyone take a break from what they are doing so I can clarify for all the groups, and then let them continue their work.</p> <p>Consideration for Back-up Plan: If all the groups finish the review early, I will be able to go through more problems from the review and possibly ask students how they worked through the problems.</p> | <p>Summative Assessment (linked back to objectives) End of lesson:</p> <p>If applicable- overall unit, chapter, concept, etc.: After the topic of continuity and differentiability is covered, there will be a unit test on derivatives.</p> |
| <p>Reflection (What went well? What did the students learn? How do you know? What changes would you make?): The students were very engaged and excited about the competition aspect of the review. I never noticed any student off-task during the review. The review was a good learning experience for the students and for myself; they became better at calculating various derivatives and I learned different ways to go about the problems from the students. I needed a better transition into the review activity. It probably would have been better to explain more of the directions before letting them get into groups. I should have specified that the students did not have to do the problems in order. I also should have stopped everyone and clarified when the question arose. I also could have paid better attention at the end of the class so that I could have let the students know when there were 5 minutes left of class so they would know to finish up the problem they were on and start putting desks back in the original formation.</p> | | |