

Quadratic Equations Review Activity

Here's a review game I used to review quadratic equations/functions. Rounds could be designed for any topic, however.

Group Review activity: Have students work in groups of three. Each round contains 9 possible points. All teams have the possibility of obtaining a perfect score. Results will be for a quiz grade.

Round 1. Have each group write 3 quadratic equations, one with 1 solution, one with no solutions, one with 2 solutions. Pass to another group to solve.

Scoring: Writing group gets one point for each correct number of solutions and for correct solutions.

Solving group gets one point for each correct solution.

Round 2. Have each group write three quadratic equations. One that can be solved by factoring, one that uses undoing and one that requires the quadratic formula. All should have two real solutions. Pass the paper along and another group will solve.

Scoring: Writing group gets one point for each solving method included and each correct solution.

Solving group gets one point for each correct solution.

Round 3. Each group will write 3 quadratic functions. Only one can open down. Only one can have two x-intercepts. Only one can have an axis of symmetry where x is a positive number. Pass the paper to another group to check.

Scoring: Writing group receives one point for each characteristic that is fulfilled by only one parabola.

Checking group gets one point for each correctly identified parabola.