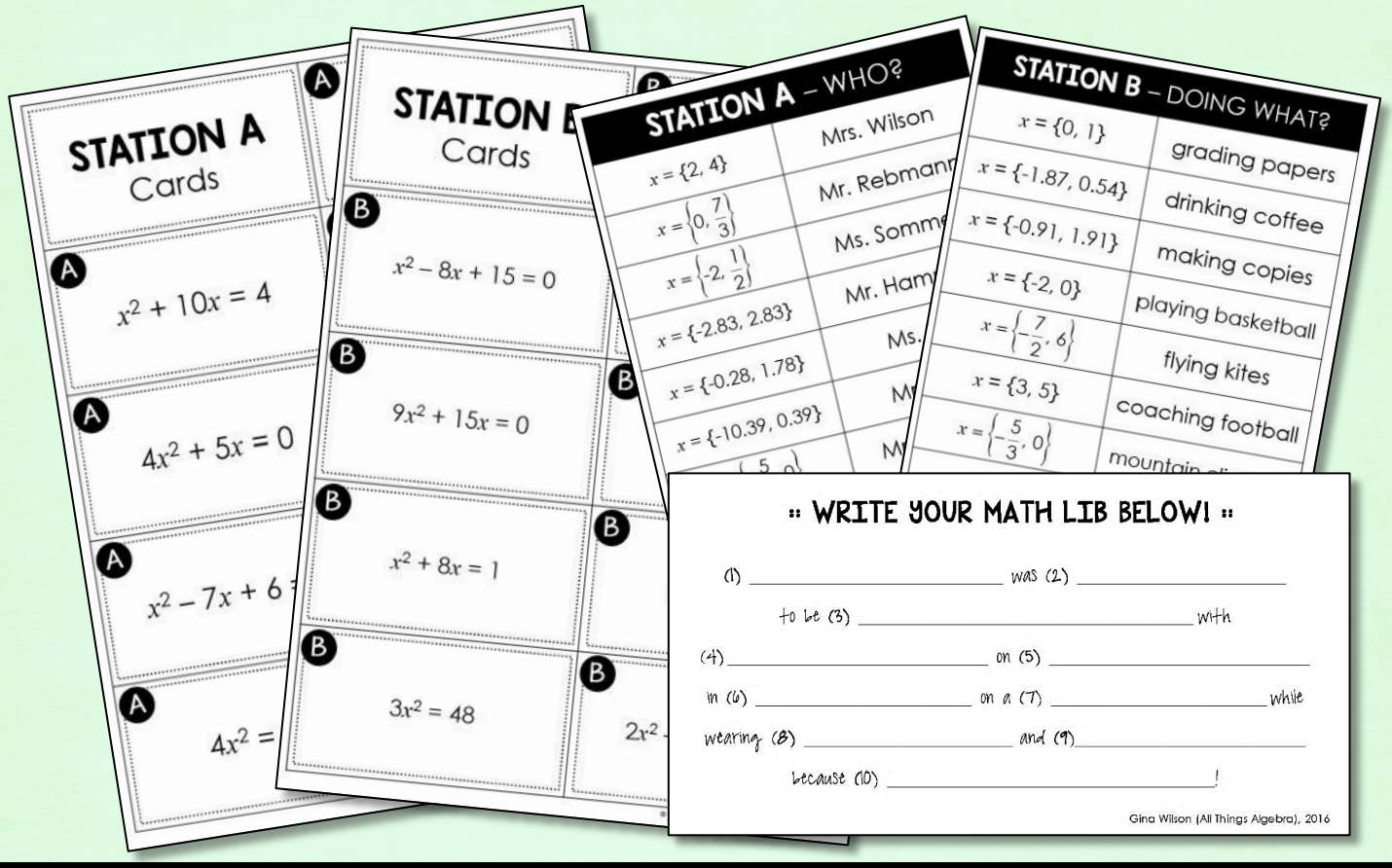


QUADRATIC *equations*

MATH LIB ACTIVITY

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QUADRATIC EQUATIONS

Math Lib Activity

Objective: Students will practice solving quadratic equations by factoring, taking square roots, and using the quadratic formula in this Math Lib activity. Equations with no real solution are also included. Irrational solutions are rounded to the nearest hundredth.

There are 9 stations, each with 9 problems. At each station, students choose one equation to solve, then check their answer on the solution card. Each correct answer provides a piece of the story. After visiting all 9 stations, students will have completed the full story.

Directions:

(1) Open the editable solution cards PowerPoint and customize the story elements to fit your students. Print the document.

(2) Print the student recording worksheet (pages 3–4) and the equation cards (pages 5–13). I recommend printing the recording worksheet on white paper and using different colors for each station's cards if possible (e.g., Station A on blue, Station B on yellow). Printing everything on white paper works as well.

(3) Make enough copies of the recording worksheet for each student.

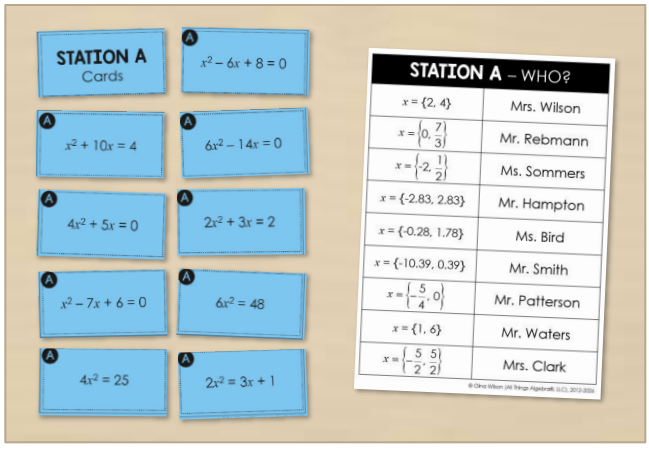
(4) Cut out the equation cards and laminate if desired.

(5) Set up 9 stations around the room. Place the 9 equation cards and the corresponding solution card at each station. Distribute recording worksheets and group students in pairs or small groups of 2–4. Assign each group a starting station.

(6) Set a timer for 3–4 minutes. At each station, students choose one equation to solve. After solving, they find their answer on the solution card and record the corresponding story piece. When time is up, rotate to the next station. Once all stations are complete, have each group read and share their completed story with the class.

Optional: Collect the cards between groups so each group ends up with a unique version of the story.

SAMPLE OF WHAT STATION A LOOKS LIKE:



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