



In an earlier activity, Ray Radicand and his team found Ms. Mann's locked briefcase. Thanks to some aspiring mathematicians who solved the quadratic equations by completing the square, uncovered the clues, and solved the logic puzzle, Ray and his team unlocked the briefcase.

Now, Ray and his team need your help again to decipher the message they've found. Surely, this clue will lead our trusty sleuth to the place Ms. Mann is hiding.

### **Directions**

1. Working in teams, calculate each solution using the quadratic formula.  
Keep answers in square root form. No decimals!
2. Look at the answer key on the right side of the page and find your answers.  
Be careful! Both correct and incorrect answers are listed.
3. Write the letter that is associated with the correct answer beside each problem.
4. Match the number of the problem with the number listed in the coded message at the bottom of the page. Fill in the blank with the corresponding letter.
5. The coded message will reveal the clue that was found in the briefcase.

**SHOW ALL YOUR WORK!**

Every team member must complete his/her own worksheet!