



Ray Radicand is a Private Investigator and the owner of an agency he calls R<sup>2</sup> P.I. The Case of Ms. Mann's Briefcase is a continuation of an earlier mystery where Ray and his assistants discovered that Ms. Mann had murdered Mr. Quad.

During the search of her home following this discovery, Ray and his team found Ms. Mann's locked briefcase. Fortunately he also found some directions to the combination.

Now it's up to your team to help him unlock the case so he can see what's inside. His gut tells him it's very important.

### Directions

1. Working in teams, calculate each solution by completing the square.  
Keep answers in square root form. No decimals!
2. Look at the word bank on the right side of the page and find your answers.  
Be careful! There are both correct and incorrect answers in the word bank.
3. Write the word that is associated with the correct answer on each blank.
4. Read the clues along with the extra words between the blanks and try to discover the combination to Ms. Mann's briefcase.

**SHOW ALL YOUR WORK!**

Every team member must complete his/her own worksheet!