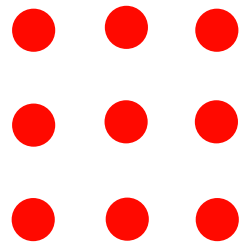


# PROBLEM-SOLVING: Point of Entry

The following exercises are designed to identify some of the preconceptions we bring to a new challenge.

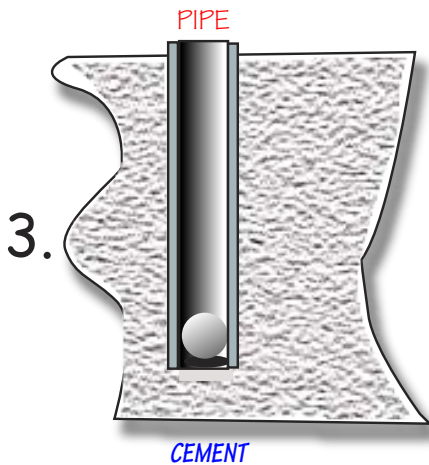


**Problem #1:** Connect all of the nine dots using only four continuous (don't lift pencil) straight lines. Lines may cross, but they cannot be retraced.

**Problem #2:** Enlarge this swimming pool to twice its size without changing its shape or the location of the trees.



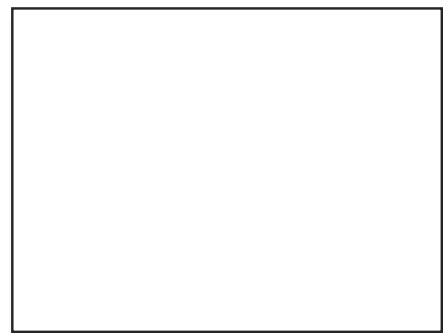
**Problem #3:** How would you remove this pingpong ball from the steel pipe set in solid concrete. Your only tools are: 1. Two feet of #4 cord. 2. One wire coat hanger. 3. A pair of scissors.



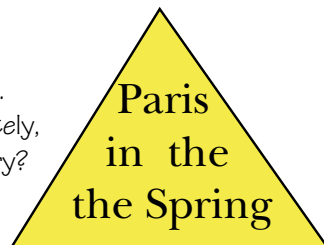
4. Find feet in this graphic image.



6. Draw a square in the space provided.



5. Read this sign outload. Now, read each line, separately, word for word. Any discovery?



7. Draw an abstract square in this space.