

The Problem Solving Competition - Problem #3

- Your submission should contain a FULL solution. Not just the answer, but your entire argument.
- **Submit solutions to Pam in MCT 250**
- **Questions???** Ask Dr. Taylor email: pttaylor@ship.edu, or stop by MCT 281
- Winners, problems and solutions will be posted at <http://www.ship.edu/pttaylor/PSC/index.html>

Find all real solutions to the following equation.

$$(\ln(2x + 3))^2 - 4(\ln(2x + 3))(\ln x) + 4(\ln x)^2 = 0$$

Solutions for this puzzle will be due **Wed, Oct 14** at 4pm.