Quiz 8                                                        14 October 2016

**Instructions:** Show all work, with clear logical steps. No work or hard-to-follow work will lose points.

**Problem 1.** (2 points) Simplify the expression

$$e^{3+\ln 5}.$$

**Problem 2.** (2 points) Solve the following expression

$$\ln(x^2 - 15) = \ln(4x - 3).$$