

# MATH CHALLENGE

of the ECU Math Club

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## MC7

Without the use of a computer or calculator, solve the following equation for  $x$ .

$$2 \log_x e - \log_{ex} e - 3 \log_{e^2x} e = 0$$

**Submissions due:** 12:00pm, November 18, 2019

Submit solutions to Wallace 410 or to [Atilla.Sit@eku.edu](mailto:Atilla.Sit@eku.edu) (PDF only).

Solutions must include all supporting work.

Top solvers will be recognized.

