

MATH CHALLENGE

of the ECU Math Club

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MC5

Evaluate

$$\sqrt{7 - \frac{1}{7 - \frac{1}{7 - \dots}}}$$

Express your answer in the form $\frac{a+b\sqrt{c}}{d}$ where $a, b, c, d \in \mathbb{Z}$.

Submissions due: 12:00pm, October 4, 2019

Submit solutions to Dr. Sit as hard copy to Wallace 410 or as email to Atilla.Sit@eku.edu (PDF only).

Solutions must include all supporting work.

Top solvers will be recognized.