Here's the answer. Happy New Year.

\[
\begin{array}{c}
\text{GRAILMOTH} \\
\text{ELLPTIC} \\
\text{PARITY} \\
\text{ARCsinE} \\
\text{CRANES}
\end{array}
\]

Note that we would have accepted “Algorithm” instead of “Logarithm”.

Correct solutions were submitted by students Emily Bryans and Isabel Zhao; and by community members John Snyder and Vinod Thomas.

The prize goes to Isabel Zhao! Congratulations!