EVALUATING LOGARITHMS

AUCTION

COMPETE TO BE ONE OF THE TWO WINNING TEAMS BY ACHIEVING ONE OF THE FOLLOWING GOALS:

- **EARN THE MOST POINTS BY PURCHASING LOGARITHMIC EXPRESSIONS**
- **PURCHASE THE LARGEST NUMBER OF LOGARITHMIC EXPRESSIONS**

EACH EXPRESSION IS WORTH THE NUMBER OF POINTS IT EVALUATES TO.
FOR EXAMPLE, IF A TEAM BUYS $\log_2 8$, THEN THE TEAM WILL RECEIVE 3 POINTS.

AUCTION RULES

- **EACH TEAM BEGINS THE AUCTION WITH $1000.**
- **THE OPENING BID FOR EACH LOT IS $10.**
- **THE BID CAN ONLY BE RAISED IN INCREMENTS OF $10.**

M + A + T + H = love

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EVALUATING LOGARITHMS

AUCTION CATALOG

1 $\log 1000$	2 $\log_{\frac{1}{3}} \frac{1}{243}$	3 $\ln \sqrt[3]{e}$	4 $\log_3 1$
5 $\log_3 27$	6 $\ln e^4$	7 $\log_5 25$	8 $\log_{100} 100$
9 $\log_3 81$	10 $\ln \frac{1}{e}$	11 $\log_{\sqrt{2}} 1$	12 $\log_2 128$
13 $\ln e$	14 $\log_9 729$	15 $\log_7 \sqrt[5]{7}$	16 $\log_{81} 9$
17 $\ln \frac{1}{e^2}$	18 $\log_2 64$	19 $\log_7 \sqrt{7}$	20 $\log_8 \frac{1}{64}$
21 $\log_7 \frac{1}{7}$	22 $\ln \sqrt{e}$	23 $\log_{\sqrt{2}} 4$	24 $\log_{\sqrt{3}} 3$
25 $\log_6 216$	26 $\log_3 \frac{1}{9}$	27 $\ln e^6$	28 $\log 100$

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