

Name _____ Date _____

Quiz: Express as a Single Logarithm

1 $\log 9 + \log 7$

2 $\log 8 - \log 2$

3 $\log 17 + \log 5 + \log 17 - \frac{1}{2} \log 22$

4 $16 \log 4 - \frac{2}{3} \log 414$

5 $\log 16 - \log 2 + \frac{1}{3} \log 2 + \frac{1}{3} \log 456$

6 $\frac{1}{3} \log 324 + \log 8 - \log 5 + \frac{2}{3} \log 116$

7 $\log 5 + \frac{1}{3} \log 423$

8 $5 \log 3 - 5 \log 2 + \frac{1}{2} \log 175 + \frac{2}{3} \log 1534$

9 $\log 7 - \frac{1}{2} \log 112 - \log 3$

10 $\log 18 - \frac{1}{2} \log 130$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%