

Student Name: _____

Score: _____

Rewrite as Single Logarithm Using Quotient Rule

Problems

Work Space

| | |
|---|--|
| $\log_2 28 - \log_2 4$ Answer: | |
| $\log_{10} 165 - \log_{10} 11$ Answer: | |
| $\log_2 105 - \log_2 3$ Answer: | |
| $\log_4 96 - \log_4 8$ Answer: | |
| $\log_5 10000 - \log_5 100$ Answer: | |

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Answers

| | |
|--|--|
| $\log_2 28 - \log_2 4$ Answer: $\log_2 7$ | |
| $\log_{10} 165 - \log_{10} 11$ Answer: $\log_{10} 15$ | |
| $\log_2 105 - \log_2 3$ Answer: $\log_2 35$ | |
| $\log_4 96 - \log_4 8$ Answer: $\log_4 12$ | |
| $\log_5 10000 - \log_5 100$ Answer: $\log_5 100$ | |