



Name: _____

Date: _____

Evaluate each logarithm or convert between forms.

Solve for x. Show your work.

1. $\log_{\{2\}} 16 = 4$

2. $3^4 = 81$

3. $3^4 = 81$

4. $\log_{\{10\}} 100 = 2$

5. $10^1 = 10$

6. $2^2 = 4$

7. $3^4 = 81$

8. $\log_{\{5\}} 625 = 4$



Evaluate each logarithm or convert between forms. – Answer Key

1. $\log_{\{2\}} 16 = 4$
 $2^{\{4\}} = 16$

2. $3^4 = 81$
 $\log_{\{3\}} 81 = 4$

3. $3^4 = 81$
 $\log_{\{3\}} 81 = 4$

4. $\log_{\{10\}} 100 = 2$
 $10^{\{2\}} = 100$

5. $10^1 = 10$
 $\log_{\{10\}} 10 = 1$

6. $2^2 = 4$
 $\log_{\{2\}} 4 = 2$

7. $3^4 = 81$
 $\log_{\{3\}} 81 = 4$

8. $\log_{\{5\}} 625 = 4$
 $5^{\{4\}} = 625$