# Precalculus Logarithm evaluation, basic

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## Example

- $\log_{25} 5 =$

## Example

- $\log_3 81 = ?$
- $\log_{25} 5 = ?$
- $\log_{10} 0.001 = ?$

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- $\log_{25} 5 = ?$

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- $\log_{10} 0.001 = ?$

### Example

- 2  $\log_{25} 5 = \frac{1}{2}$  because  $25^{\frac{1}{2}} = \sqrt{25} = 5$ .

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- $\log_{10} 0.001 = ?$

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- 2  $\log_{25} 5 = \frac{1}{2}$  because  $25^{\frac{1}{2}} = \sqrt{25} = 5$ .
- $\log_{10} 0.001 = -3$  because  $10^{-3} = 0.001$ .