



# Logarithms for Humans

## **SELF CHECK 2**

Here's another frivolous quiz.

Again, the points mean nothing.

Enjoy!



## SELF CHECK 2

### Question 1 [10 points]

To what power do you need to raise the number 56 to get the answer 56?  
(Select all three correct answers.)

- a) 1
- b) 56
- c) It's 1.
- d) Seriously, it's 1.

### Question 2 [20 points]

What is the value of  $\log_{56}(56)$ ?

- a) 1
- b) 56
- c) It's 1.
- d) Seriously, it's 1.

### Question 3 [20 points]

Which of the following describes  $\log_3(81)$ ?  
(Select all that apply.)

- a) It's the power to which the number 3 must be raised to give the value 81.
- b) It's the power to which the number 81 must be raised to give the value 3.
- c) 4
- d)  $\text{power}_3(81)$
- e) It's just idle scribble with no mathematical meaning.



**Question 4 [20 points]**

We know that  $2^{10} = 1024$ .

Which of the following statements also expresses this fact?

a)  $\log_2(1024) = 10$

b)  $\log_{10}(1024) = 2$

c)  $\log_{1024}(2) = 10$

d)  $\log_{1024}(10) = 2$

**Question 5 [30 points]**

What is the value of  $\log_{\text{hundred}}(\text{million})$ ?

**Answers:**

1. a), c), d) 2. a), c), d)  
3. a), c), d) 4. a) 5. 3