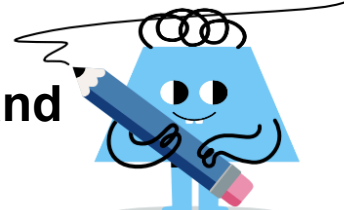




## Algebra with Logarithms - Monomial and Constant



1

Simplify and solve for r

$$\log_6(8r) = 3$$

A

B

$$r = 26 \quad r = 27$$

2

Simplify and solve for z

$$\log_4(8z) = 2$$

A

B

$$z = 0 \quad z = 2$$

3

Simplify and solve for x

$$\log_2(8x) = 4$$

A

B

$$x = 2 \quad x = 3$$

4

Simplify and solve for q

$$\log_6(2q) = 3$$

A

B

$$q = 108 \quad q = 107$$

5

Simplify and solve for y

$$\log_4(8y) = 2$$

A

B

$$y = 2 \quad y = 1$$

6

Simplify and solve for q

$$\log_2(4q) = 5$$

A

B

$$q = 8 \quad q = 6$$

7

Simplify and solve for z

$$\log_2(8z) = 4$$

A

B

$$z = 2 \quad z = 0$$

8

Simplify and solve for r

$$\log_4(8r) = 3$$

A

B

$$r = 9 \quad r = 8$$