Name

Function Inverse - Two Functions to Is Inverse (Exponential/Logarithmic)

1

given:

$$m(x) = -2\log(5x)$$

$$y(x) = \frac{10^{\frac{x}{-2}}}{5}$$

Is y(x) the inverse of m(x)

A	B
Yes	No

2

given:

$$z(x) = 4\log(-3x)$$

$$y(x) = \frac{10^{\frac{x}{4}}}{-3}$$

Is y(x) the inverse of z(x)

A	B
Yes	No

3

given:

$$n(x) = 5^{2x}$$

$$y(x) = \frac{\log_5 x}{2}$$

Is y(x) the inverse of n(x)

A	B
Yes	No

4

given:

$$y(x) = -4\log_2(3x)$$

$$y(x) = \frac{2^{\frac{x}{-4}}}{3}$$

Is y(x) the inverse of y(x)

A	B
Yes	No

5

given:

$$p(x) = -4 \cdot -3^{5x}$$

$$y(x) = \frac{\log\_ 3\frac{x}{-4}}{5}$$

Is y(x) the inverse of p(x)

A	B
Yes	No

6

given:

$$r(x) = 2 \cdot -4^{-3x}$$

$$y(x) = \frac{\log\_ 4\frac{x}{2}}{-3}$$

Is y(x) the inverse of r(x)

A	B
Yes	No

7

given:

$$p(x) = 5\log_3(-2x)$$

$$y(x) = \frac{3^{\frac{x}{5}}}{-2}$$

Is y(x) the inverse of p(x)

A	B
Yes	No

8

given:

$$p(x) = 5^{2x}$$

$$y(x) = \frac{\log_5 x}{2}$$

Is y(x) the inverse of p(x)

A	B
Yes	No