“Ecuaciones logarítmicas”

NOMBRE: .

1. Resuelve las siguientes ecuaciones logarítmicas y marca la opción correcta.

$$\log(2) + \log(x+3) = \log(x+5)$$

$$x_1 =$$

$$\log(3) + \log(x-1) = \log(2) + \log(x+1)$$

$$x_1 =$$

$$\log(x^2-9) - \log(x-3) = \log(3) + \log(2x)$$

$$x_1 =$$

$$\log(15-2x) = 2\log(x)$$

$x_1 =$; $x_2 =$

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LIVEWORKSHEETS

$$\log(2x+5)+\log(2x-5)=2\log(x)+\log(3)$$

$x_1 =$;$x_2 =$

$$3\log(x)=\log(3x)+\log(2x-3)$$

$x_1 =$;$x_2 =$

$$\log(\sqrt{x^2-3x+2})=\log(x)$$

$x_1 =$

$$\log(6x)-\log(\sqrt{6x})=\log(\sqrt{x^2+9})$$

$x_1 =$

$$\log(x^2+3x+2)-\log(x+1)=\log(1-x)$$

$x_1 =$;$x_2 =$

LIVEWORKSHEETS

$$\log_2(5x^2+15x+10)-\log_2(x+2)=2$$

$x_1 =$;$x_2 =$

$$2\log(3x)-\log(3)=\log(2x^2+1)$$

$x_1 =$;$x_2 =$

$$\log(\sqrt{x})+\log(\sqrt[6]{x})=\log(\sqrt[3]{10x-25})$$

$x_1 =$

$$\log_4(x+1)=\log_2(x-1)$$

$x_1 =$;$x_2 =$

$$\log(\sqrt{x})-\log(x^2)=\log\left(\frac{2}{x}\right)$$

$x_1 =$

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