

FROM THE MAKERS OF WOLFRAM LANGUAGE AND MATHEMATICA



15/x + 5/x+4 = 8/3



NATURAL LANGUAGE



MATH INPUT



EXTENDED KEYBOARD



EXAMPLES



UPLOAD



RANDOM

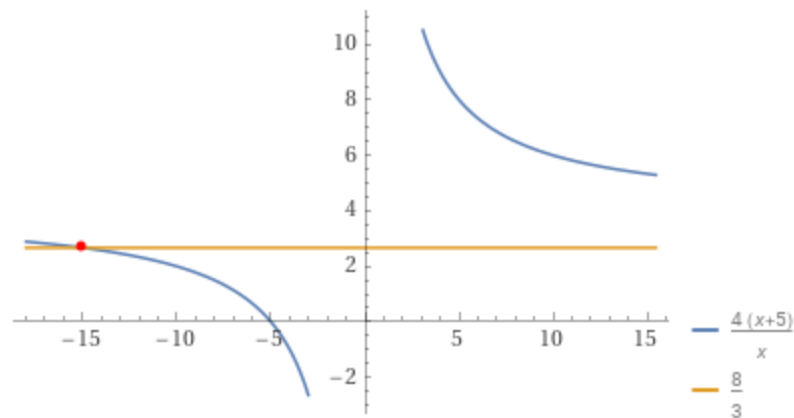
Input

$$\frac{15}{x} + \frac{5}{x} + 4 = \frac{8}{3}$$

Exact result

$$\frac{20}{x} + 4 = \frac{8}{3}$$

Plot



Alternate form assuming x is real

$$\frac{15}{x} + 1 = 0$$

Alternate form

$$\frac{4(x+5)}{x} = \frac{8}{3}$$

Number line



Solution

Step-by-step solution

$$x = -15$$

Wolfram|Alpha Step-by-step solution

Solution:



Wolfram|Alpha Step-by-Step Solution

Wolfram|Alpha Input: $15/x + 5/x+4 = 8/3$

STEP 1

Solve for x over the real numbers:

$$4 + \frac{15}{x} + \frac{5}{x} = \frac{8}{3}$$

Hint: Rewrite the left hand side of the equation.



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Logarithmic form

$$\log_3\left(\frac{15}{x} + \frac{5}{x} + 4\right) = \log_3(8) - \log_3(3)$$

$\log_b(x)$ is the base- b logarithm

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Related Queries:

- = Mathematica function Root
- = first derivative (15/x + 5/x + 4) - 8/3
- = QR code 15/x + 5/x+4 = 8/3
- = Mega Gengar-like curve vs Karen Pag...
- = (15/z + 5/z + 4) - 8/3





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