

Arturas Vitkus (1903792)

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11:00

Pg 2

ACHA4000

$$b) ii) \frac{(4x-1)}{3} - \frac{x}{4} = \frac{(4x+3)}{2}$$

$$\frac{(4x-1)}{3} \times 12 - \frac{x}{4} \times 12 = \frac{(4x+3)}{2} \times 12$$

$$4(4x-1) - 3x = 6(4x+3)$$

$$16x - 4 - 3x = 24x + 18$$

$$16x - 3x - 24x = 18 + 4$$

$$-11x = 22$$

$$\boxed{x = -2}$$

~~$$iii) 2 \log(5x+3) = \log(x+1) + \log(x+2)$$~~

~~16~~