

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

$$\log(x+7) + \log(x+6)$$

$$\log(x^2 + 2x + 5x + 10)$$

$$\log(x^2 + 6x + 7x + 42)$$

$$\log(x^2 + 7x + 10) = \log(x^2 + 13x + 42)$$