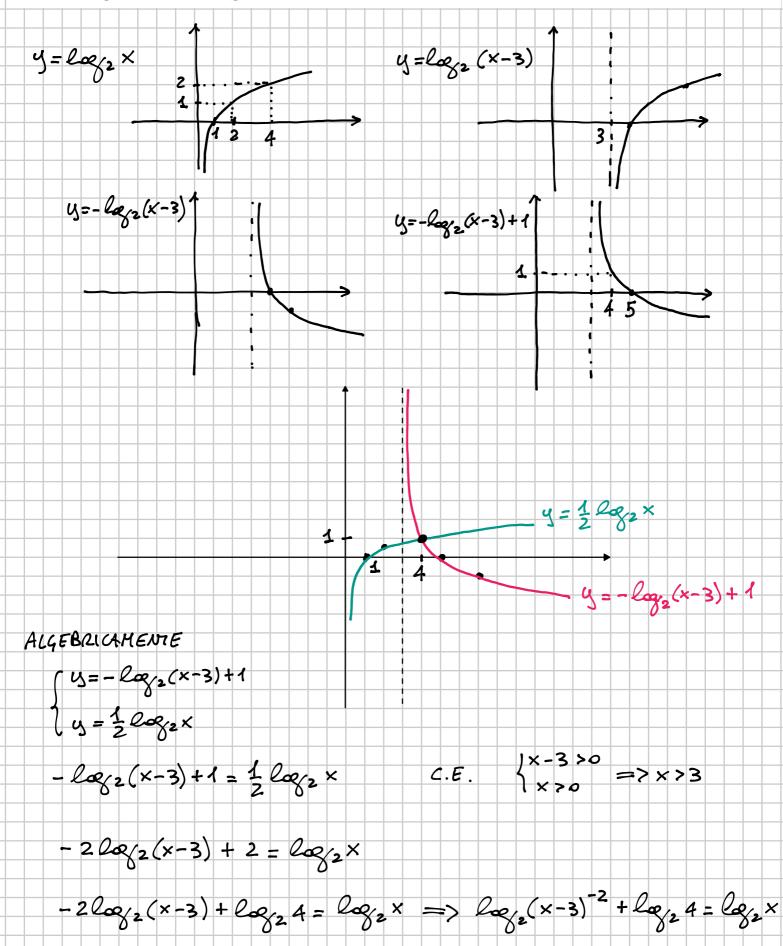
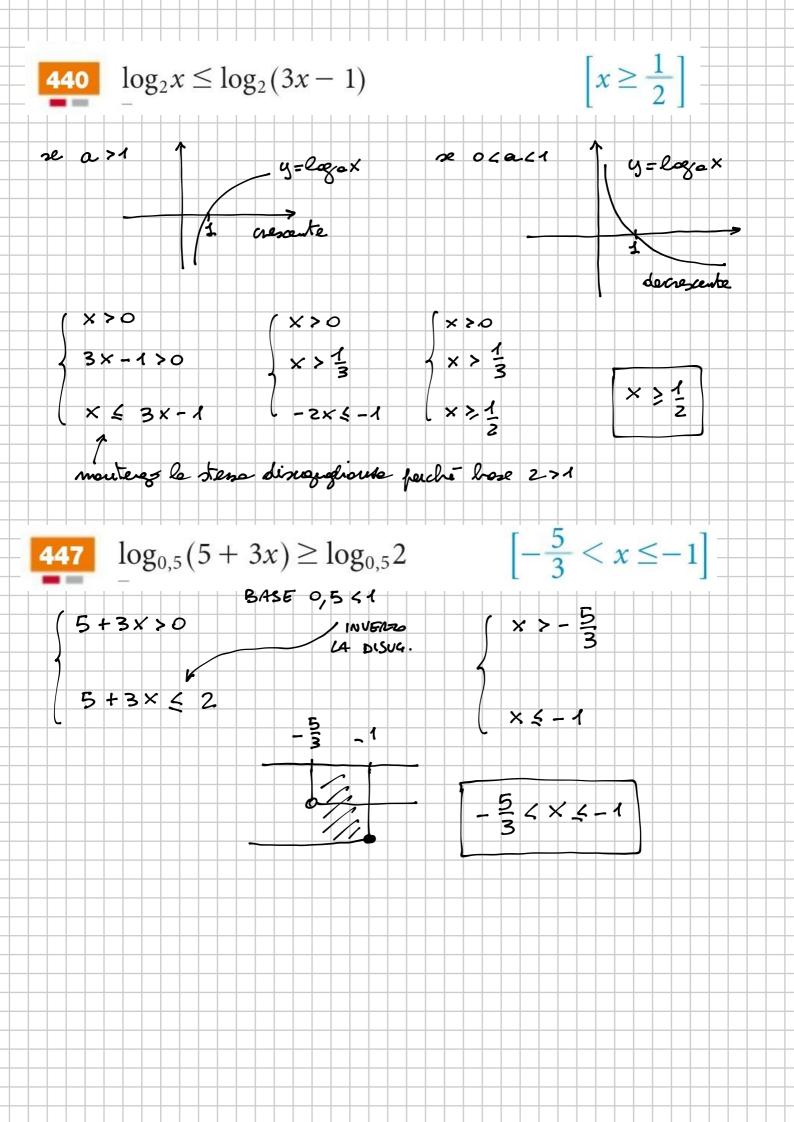
Rappresenta graficamente le funzioni $y = -\log_2(x-3) + 1$ e $y = \frac{1}{2}\log_2 x$ e trova il loro punto di intersezione sia graficamente che algebricamente.



200/2 4 = 200/2×

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



$$\log_{\frac{1}{3}}(x^{2}-3x) - 2\log_{\frac{1}{3}}(6-x) < -\log_{\frac{1}{3}}4$$

$$[x < -2\sqrt{3} \vee 2\sqrt{3} < x < 6]$$

$$C.E. \begin{cases} x^{2}-3x > 0 & x(x-3) > 0 & x < 0 & x > 3 \\ 6-x > 0 & x < 6 & x < 6 \end{cases}$$

$$0 & 3 & 6 & x < 0 & x < 6 \end{cases}$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(6-x)^{2} < \log_{\frac{1}{3}}4^{\frac{1}{3}}$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(6-x)^{2} < \log_{\frac{1}{3}}(6-x)^{2} < \log_{\frac{1}{3}}(6-x)^{2}$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(6-x)^{2} < \log_{\frac{1}{3}}(6-x)^{2} < \log_{\frac{1}{3}}(6-x)^{2}$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(x^{2}-3x)$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(x^{2}-3x)$$

$$\log_{\frac{1}{3}}(x^{2}-3x) - \log_{\frac{1}{3}}(x^{2}-3x$$