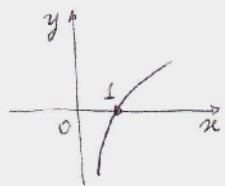


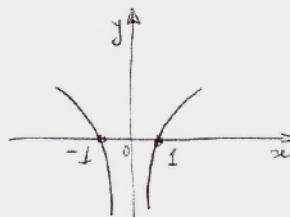
La funzione logaritmica

1) $y = \ln x$

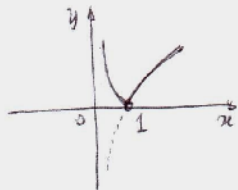


2) $y = \ln|x|$

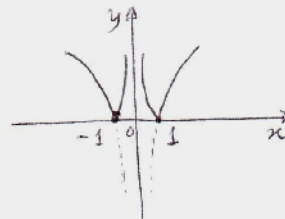
la funzione è
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3) $y = |\ln x|$

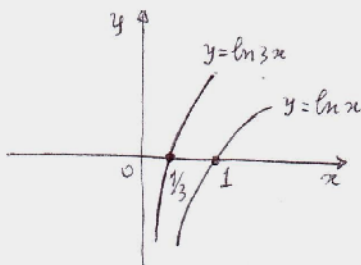


4) $y = |\ln|x||$



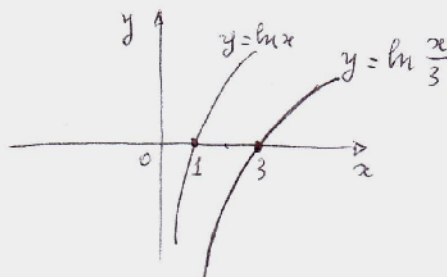
5) $y = \ln kx, k \in \mathbb{R}_+$

$$f(x) \cap \{y=0\} = \left\{ \left(\frac{1}{k}, 0 \right) \right\}$$

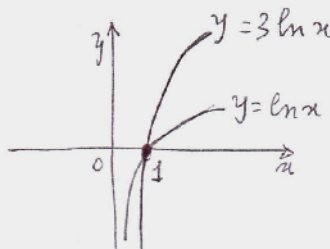


6) $y = \ln \frac{x}{k}$

$$f(x) \cap \{y=0\} = \{ (k, 0) \}$$



7) $y = k \ln x$



8) $y = \frac{\ln x}{k}$

