

$f^{-1}[-1,3]) = [-3,3]$

3. Let $f : R \rightarrow R$ defined by $f(x) = x^2$ for all $x \in R$. Use set notations (for example, $\cup, \cap, -$) and interval notations to simplify the sets $f(f^{-1}[-1,3])$ and $f^{-1}(f[-1,3])$. (8 points)

Q11
Ans: $-1, 3$