**Solución**

$-3'020020002... \in I \subset R$

$\sqrt{625} \in N \subset Z \subset Q \subset R$

$\sqrt{\frac{25}{4}} \in Q \subset R$

$\sqrt{0,0001} \in Q \subset R$

$\frac{-5}{2} \in Q \subset R$

$\sqrt[3]{100} \in I \subset R$

$\frac{1}{\sqrt{2}} \in I \subset R$

$\frac{-10}{5} \in Z \subset Q \subset R$

$\frac{2\pi}{3} \in I \subset R$

$\frac{\sqrt{8}}{\sqrt{2}} \in N \subset Z \subset Q \subset R$