   
   (a) Problems from Chapter 1: 6, 7
   (b) Problems from Chapter 2: 14, 16, 20, 21
   (c) Problems from Chapter 3: 2, 3

2. If $u \in \mathcal{D}'(\Omega)$ and $u'' = 0$, show $u = ax + b$, where $a$ and $b$ are constants.