1. Let $f, g: \mathbb{R} \rightarrow \mathbb{R}$.
(a) If $f$ and $g$ are both increasing, then $f+g$ is increasing.
(b) If $f$ and $g$ are both increasing, then $f \cdot g$ is increasing.
2. If $f: A \rightarrow B$ and $g: B \rightarrow C$ are surjective functions, then $g \circ f$ is surjective.
3. If $f: A \rightarrow B$ is a bijection, then $f$ is invertible.
4. If $A$ is equipollent to $B$, then $B$ is equipollent to $A$.
5. The set of throdd natural numbers is countable. (Yes, you need to include the details)
