Math 371
Quiz 5,   March 27, 2015                                        Name: _____

1. Show for all vectors $\vec{v}$ in $\mathbb{R}^n$, $\|\vec{v}\|_1 \leq n\|\vec{v}\|_\infty$.

2. Verify the above inequality for vector $\vec{v} = [1, -2, 3]^T$.