

KMU 427 TRANSPORT THEORY
HOMEWORK 1 (Due November 7, 2019)

1. Prove if these equations are equivalent or not.

$$\vec{\nabla} \cdot [\vec{V} \times \vec{W}] = \vec{W} \cdot (\vec{\nabla} \times \vec{V}) + \vec{V} \cdot (\vec{\nabla} \times \vec{W})$$