

$$a) \quad \vec{BD} + \vec{AB} + \vec{DC} =$$

$$\vec{AB} + \vec{BD} + \vec{DC} =$$

$$\vec{AB} + \vec{BC} =$$
$$\vec{AC}$$

$$b) \quad \vec{BC} + \vec{DE} + \vec{DC} + \vec{AD} + \vec{EB} =$$

$$\vec{DE} + \vec{DC} + \vec{AD} + \vec{EB} + \vec{BC} =$$
$$\vec{EC}$$

$$\vec{DE} + \vec{EC} + \vec{DC} + \vec{AD} =$$

$$\vec{DC} + \vec{AD} + \vec{DC} =$$

$$\vec{DC} + \vec{AC} = \vec{AC} + \vec{DC}$$

$$c) \vec{AC} - \vec{BD} - \vec{AB} =$$

$$-\vec{AB} + \vec{AC} - \vec{BD} =$$

$$\vec{BA} + \vec{AC} - \vec{BD} =$$

$$\vec{BC} + \vec{DB} =$$

$$\vec{DB} + \vec{BC} = \vec{DC}$$