

**8.16**

1) Supposons que  $\overrightarrow{AB} = \overrightarrow{A'B'}$

$$\overrightarrow{AA'} = \overrightarrow{AB} + \overrightarrow{BA'} = \overrightarrow{A'B'} + \overrightarrow{BA'} = \overrightarrow{BA'} + \overrightarrow{A'B'} = \overrightarrow{BB'}$$

2) Supposons que  $\overrightarrow{AA'} = \overrightarrow{BB'}$

$$\overrightarrow{AB} = \overrightarrow{AA'} + \overrightarrow{A'B} = \overrightarrow{BB'} + \overrightarrow{A'B} = \overrightarrow{A'B} + \overrightarrow{BB'} = \overrightarrow{A'B'}$$