

4.



$$4 \mathbf{i} + 7 \mathbf{u} + 11 \mathbf{i} - \mathbf{u}$$

$$-7 \mathbf{i} + 8 \mathbf{u}$$

$$15 \mathbf{i} + 8 \mathbf{u}$$

$$15 \mathbf{i} + 6 \mathbf{u}$$

$$16 \mathbf{i} + 8 \mathbf{u}$$

**Solution**

$$4 \mathbf{i} + 7 \mathbf{u} + 11 \mathbf{i} - \mathbf{u}$$

$$= (4 \mathbf{i} + 11 \mathbf{i}) + (7 \mathbf{u} - \mathbf{u})$$

$$= 15 \mathbf{i} + 6 \mathbf{u}$$