Consider these vectors:

$$\vec{A} = 30\,\text{m} \text{ @ } 30^\circ \text{ W of S}$$
$$\vec{B} = 10\,\text{m} \text{ @ } 60^\circ \text{ N of W}$$
$$\vec{C} = 20\,\text{m, due East}$$

(a) Draw each vector roughly to scale.

(b) Draw $\vec{R}_1 = \vec{A} + \vec{B}$

(c) Draw $\vec{R}_2 = \vec{A} + \vec{B} + \vec{C}$

(d) Draw $\vec{R}_3 = \vec{A} - \vec{B}$

(e) Draw $\vec{R}_4 = \vec{B} - \vec{A}$

(f) Draw $\vec{R}_5 = \vec{C} - 2\vec{B}$

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