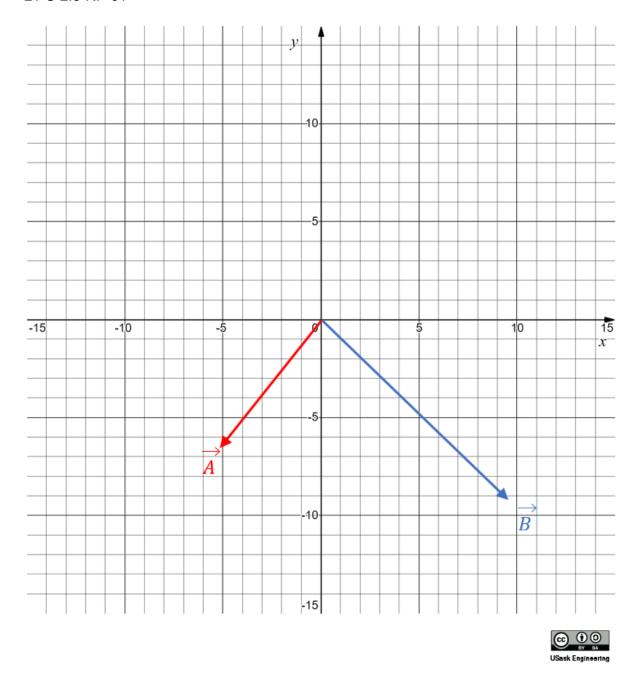
21-S-2.6-RP-01



Two vectors \overrightarrow{A} and \overrightarrow{B} lie on the xy - plane. If $\overrightarrow{A} = A_x \widehat{i} + A_y \widehat{j}$ and $\overrightarrow{B} = B_x \widehat{i} + B_y \widehat{j}$, find the sum of these vectors.

$$\overrightarrow{R} = \Sigma \overrightarrow{V} = \overrightarrow{A} + \overrightarrow{B}$$

$$R_x = \Sigma V_x = A_x + B_x$$

$$R_y = \Sigma V_y = A_y + B_y$$

$$\overrightarrow{R} = R_x \hat{i} + R_y \hat{j}$$

If $\stackrel{\rightarrow}{B}$ is the result of adding $\stackrel{\rightarrow}{A}$ with another vector $\stackrel{\rightarrow}{C}$, find $\stackrel{\rightarrow}{C}$.

$$\overrightarrow{B} = \overrightarrow{A} + \overrightarrow{C}$$

$$\Rightarrow \overrightarrow{C} = \overrightarrow{B} - \overrightarrow{A}$$

$$\overrightarrow{C} = (B_x - A_x)\hat{i} + (B_y - A_y)\hat{j}$$