VD 6.3.2

$\vec{v}$	$\vec{w}$	$\vec{u}$	linear combination of $\vec{u}$	$\|\vec{u}\|$	$\theta_{\vec{u}}$
-4i	<1,2>	3v-5w	-17i-10j	$\sqrt{389}$	$\pi+\tan^{-1}\left(\frac{10}{17}\right)$ or 210.46°
<-2,2>	<3,1>	v+2w	4i+4j	$4\sqrt{2}$	$\frac{\pi}{4}$ or 45°
$\|\vec{v}\|=4$, $\theta_{\vec{v}}=150^\circ$	2j	-v-w	$2\sqrt{3}i-4j$	$2\sqrt{7}$	$2\pi+\tan^{-1}\left(-\frac{2\sqrt{3}}{3}\right)$ or 310.89°
$\|\vec{v}\|=2$, $\theta_{\vec{v}}=60^\circ$	$\|\vec{w}\|=3$, $\theta_{\vec{w}}=240^\circ$	2v+3w	$-\frac{5}{2}i-\frac{5}{2}\sqrt{3}j$	5	$\frac{4\pi}{3}$ or 240°
-2i+j	$\|\vec{w}\|=4\sqrt{2}$, $\theta_{\vec{w}}=135^\circ$	-2i+j	$2i-3j$	$\sqrt{13}$	$2\pi+\tan^{-1}\left(-\frac{3}{2}\right)$ or 303.7°
4i+2j	3i-6j	$\frac{3}{2}v-\frac{1}{6}w$	$\frac{11}{2}i+4j$	$\frac{\sqrt{185}}{2}$	$\tan^{-1}\left(\frac{8}{11}\right)$ or 36.03°