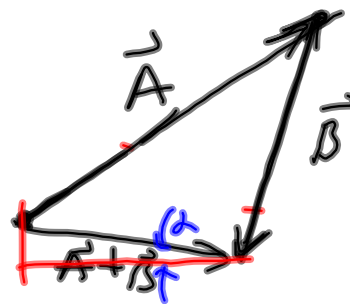
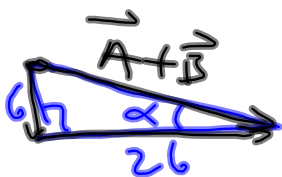


analyti

	(cm)	
	x	y
\vec{A}	+34	+21
\vec{B}	-8	-27
$\vec{A}+\vec{B}$	26	-6



$$|\vec{A}+\vec{B}| = \sqrt{26^2 + 6^2} = 26.7 \text{ cm}$$



$$\tan \alpha = \frac{6}{26} = .231$$

$$\Rightarrow \alpha = 13^\circ$$

\vec{A}
 $-\vec{B}$

$4 - 3 =$
 $4 + (-3)$

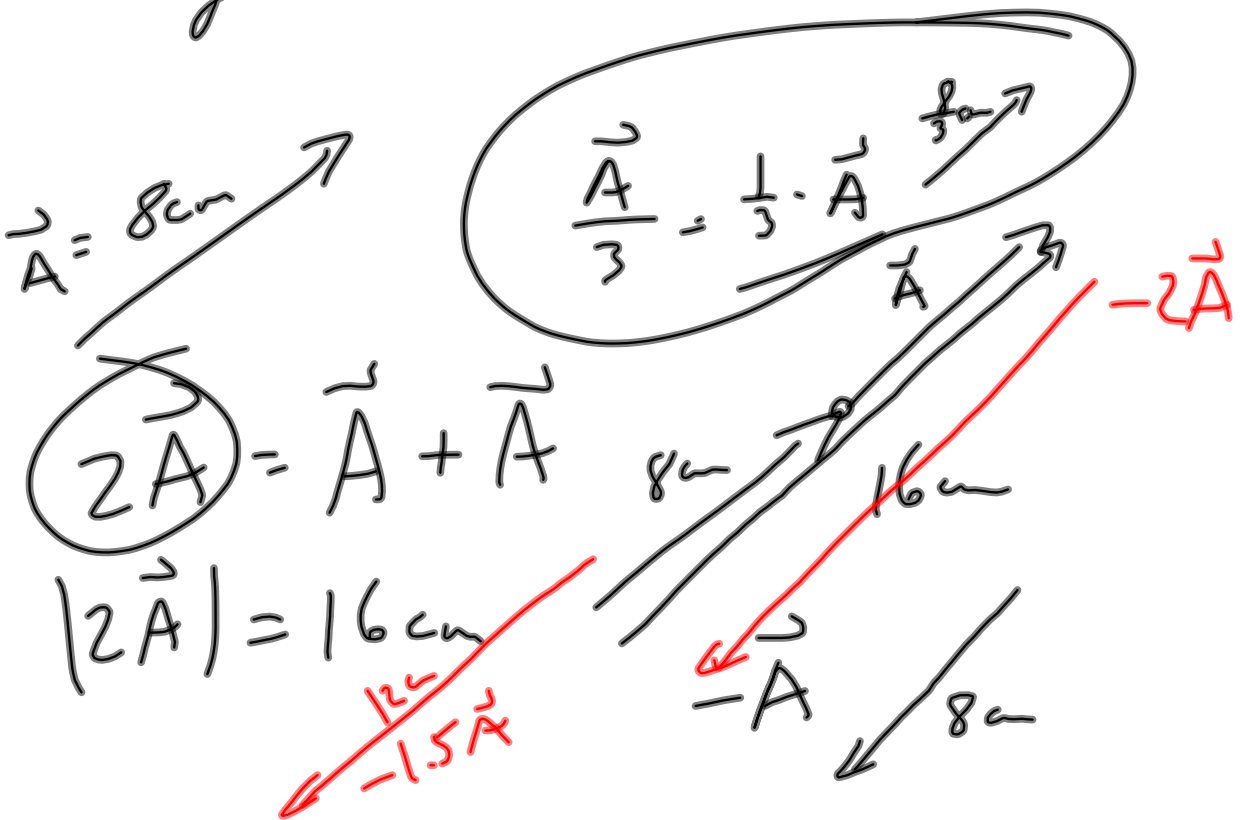
$+4$
 -3

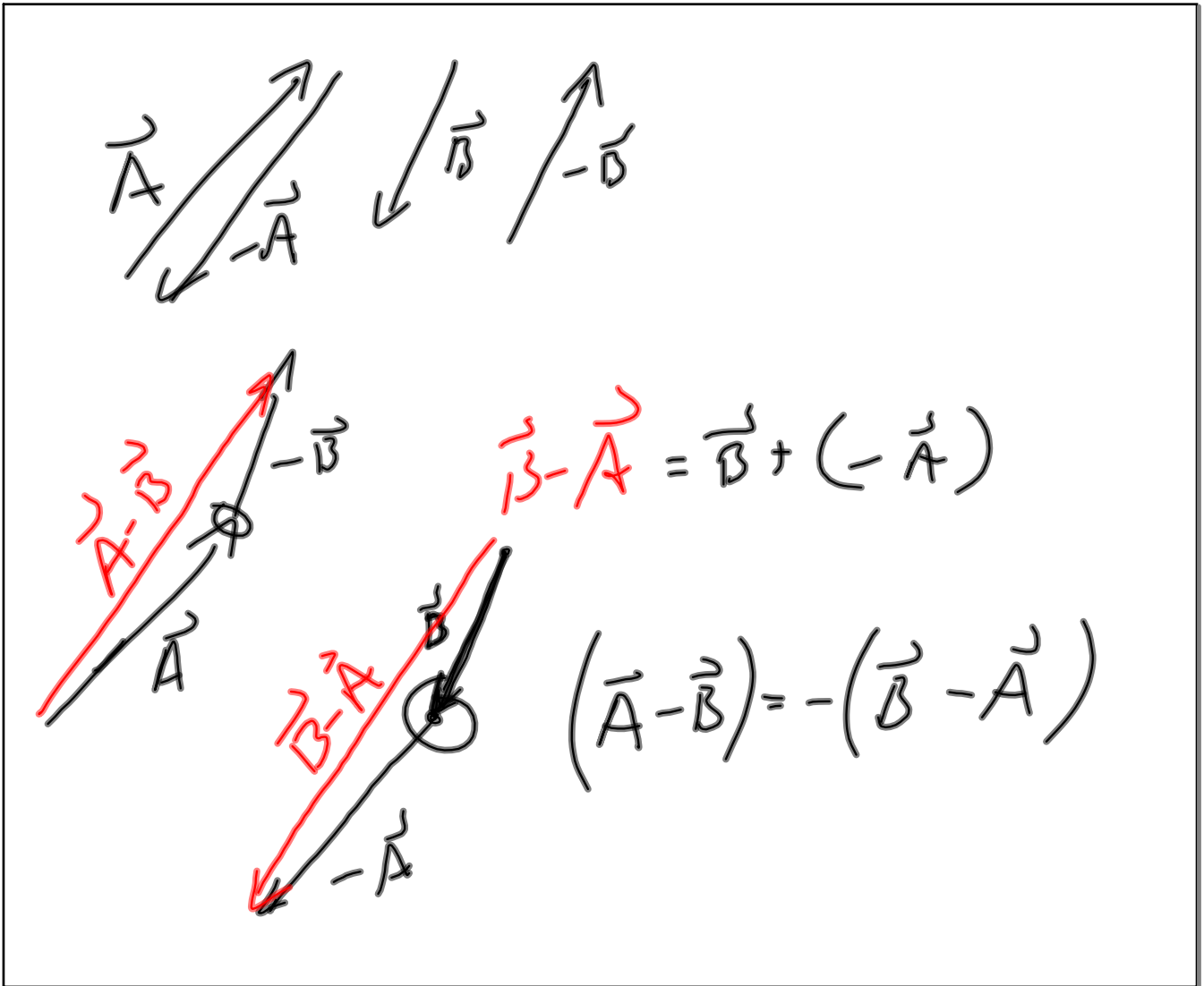
	x	y
\vec{A}	34	21
\vec{B}	-8	-27
$\vec{A} - \vec{B}$	42	48

$|\vec{A} - \vec{B}| = \sqrt{42^2 + 48^2} = 63.8$

$\tan \alpha = \frac{48u}{42u} = 1.14 \rightarrow \alpha = 49^\circ$

$$\vec{V}_{avg} \stackrel{!}{=} \frac{\Delta \vec{r}}{\Delta t} = \frac{\vec{r}_f - \vec{r}_i}{\Delta t} = \frac{\text{vech}}{\text{Scala.}}$$





$$\vec{A} + (\vec{A} - \vec{B}) = 2\vec{A} - \vec{B} \stackrel{?}{=} \vec{B}$$

$$\Delta \vec{r} = \vec{r}_f - \vec{r}_i$$

$$\vec{r}_i + \Delta \vec{r} = \vec{r}_f - \vec{r}_i + \vec{r}_i = \vec{r}_f$$