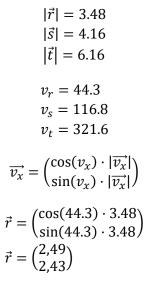
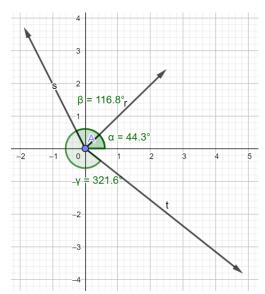
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Klasse: 20		Dato: 10. september 2021	Fag: Matematik A

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$$\vec{s} = \begin{pmatrix} \cos(116.8) \cdot 4.16 \\ \sin(116.8) \cdot 4.16 \end{pmatrix}$$

$$\vec{s} = \begin{pmatrix} -1,87 \\ 3,71 \end{pmatrix}$$

$$\vec{t} = \begin{pmatrix} \cos(321.6) \cdot 6.16 \\ \sin(321.6) \cdot 6.16 \end{pmatrix}$$

$$\vec{t} = \begin{pmatrix} 4,82 \\ -3,82 \end{pmatrix}$$

$$= \vec{r} - \vec{s} + \vec{t}$$

$$\overrightarrow{V_{sum}} = \vec{r} - \vec{s} + \vec{t}$$

$$\overrightarrow{V_{sum}} = \begin{pmatrix} 2.49 \\ 2.43 \end{pmatrix} - \begin{pmatrix} -1.87 \\ 3.71 \end{pmatrix} + \begin{pmatrix} 4.82 \\ -3.82 \end{pmatrix}$$

$$\overrightarrow{V_{sum}} = \begin{pmatrix} 2.49 + 1.87 + 4.82 \\ 2.43 - 3.71 - 3.82 \end{pmatrix}$$

$$\overrightarrow{V_{sum}} \begin{pmatrix} 9.18 \\ -5.1 \end{pmatrix}$$

$$|\overrightarrow{V_{sum}}| = \sqrt{x^2 + y^2}$$

$$|\overrightarrow{V_{sum}}| = \sqrt{9.18^2 + (-5.1)^2}$$

$$|\overrightarrow{V_{sum}}| = \sqrt{110.28}$$

$$|\overrightarrow{V_{sum}}| = 10.52$$

$$\angle \overrightarrow{V_{sum}} = 360 + \tan^{-1} \left(\frac{-5.1}{9.18} \right)$$

$$\angle \overrightarrow{V_{sum}} = 330,9454$$