Opgave 422

Bestemme voktorenes kordinater

$$\overrightarrow{V_{AB}}\begin{pmatrix} 3-7 \\ 2-8 \end{pmatrix} = \overrightarrow{V_{AB}}\begin{pmatrix} -4 \\ -6 \end{pmatrix}$$

$$\overrightarrow{V_{CD}}\begin{pmatrix} 1-2 \\ 9-4 \end{pmatrix} = \overrightarrow{V_{CD}}\begin{pmatrix} -1 \\ 5 \end{pmatrix}$$

$$\overrightarrow{V_{EF}}\begin{pmatrix} (-8)-(-1) \\ (-3)-(-6) \end{pmatrix} = \overrightarrow{V_{EF}}\begin{pmatrix} -7 \\ 3 \end{pmatrix}$$

Bestemme længderne

$$|AB| = \sqrt{4^2 + 6^2} = 7,2$$

$$|CD| = \sqrt{1^2 + 5^2} = 5,1$$

$$|EF| = \sqrt{7^2 + 3^2} = 7,62$$