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### **Opgave 443**

$$\vec{a} = \begin{pmatrix} 11 \\ 6 \end{pmatrix}$$

$$|\vec{a}| = \sqrt{x^2 + y^2}$$

$$|\vec{a}| = \sqrt{11^2 + 6^2}$$

$$|\vec{a}| = \sqrt{157}$$

$$|\vec{a}| = 12.53$$

$$\vec{e} = \vec{a} \div |\vec{a}|$$

$$\vec{e} = \begin{pmatrix} 11 \div 12.53 \\ 6 \div 12.53 \end{pmatrix}$$

$$\vec{e} = \begin{pmatrix} 0.87 \\ 0.49 \end{pmatrix}$$