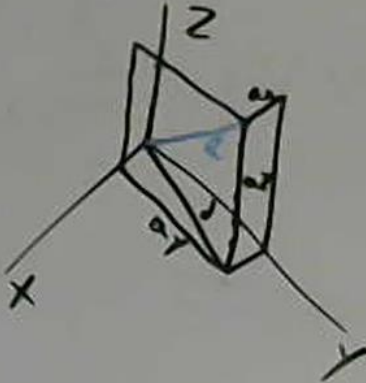


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Opgave 022

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$$\vec{a} = \begin{pmatrix} a_x \\ a_y \\ a_z \end{pmatrix}$$


$$d = \sqrt{a_y^2 + a_x^2}$$

$$|\vec{a}| = \sqrt{d^2 + a_z^2}$$

$$= \sqrt{\sqrt{a_y^2 + a_x^2}^2 + a_z^2}$$

$$= \sqrt{a_y^2 + a_x^2 + a_z^2}$$