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### Opgave 428

$$|\vec{a}| = \sqrt{2^2 + 3^2} = \sqrt{13} \approx 3,605551$$

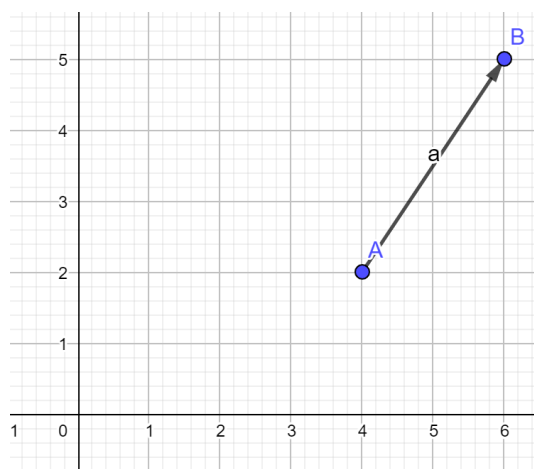
$$P_{slut} = (4 + 2; 2 + 3)$$

$$P_{slut} = (6; 5)$$

$$-\frac{1}{2} \cdot \vec{a} = \begin{pmatrix} -\frac{1}{2} \cdot 2 \\ -\frac{1}{2} \cdot 3 \end{pmatrix}$$

$$-\frac{1}{2} \cdot \vec{a} = \begin{pmatrix} -1 \\ -1,5 \end{pmatrix}$$

$$\left| -\frac{1}{2} \cdot \vec{a} \right| = \sqrt{1^2 + 1,5^2} \approx 1,802776$$



$$P_{slut\ 2} = (1 - 1; 1 - 1,5)$$

$$P_{slut\ 2} = (0; -0,5)$$