

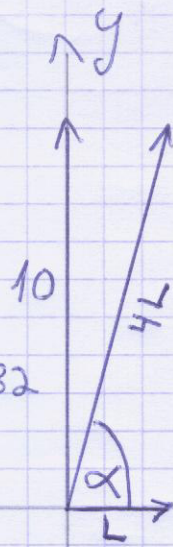
3

ע"כ אב

$$\operatorname{tg} 75.52^\circ = \frac{10}{L}$$

$$L = \frac{10}{\operatorname{tg} 75.52^\circ} = 2.582$$

$$4L = 10.328$$



ע"כ אב

$$\cos \alpha = \frac{L}{4L} = \frac{1}{4}$$

$$\alpha = 75.52^\circ$$

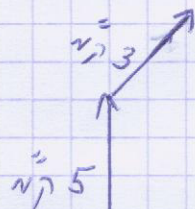
הוקטור המבוקש

הצגה כולמאית: $10.322 \angle 75.52^\circ$

הצגה קרטזית: $(2.582i + 10j)$

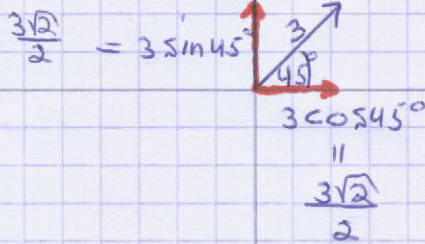
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הצגה כולמאית: $8 \angle 45^\circ$



הצגה קרטזית

$$\vec{\Sigma} = \frac{3\sqrt{2}}{2}i + \left(\frac{3\sqrt{2}}{2} + 5\right)j$$

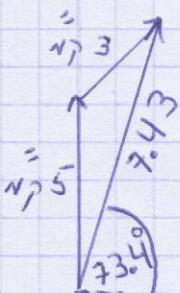


הצגה כולמאית

$$\sqrt{\left(\frac{3\sqrt{2}}{2}\right)^2 + \left(\frac{3\sqrt{2}}{2} + 5\right)^2} = 7.43$$

$$\operatorname{tg} \alpha = \frac{\frac{3\sqrt{2}}{2} + 5}{\frac{3\sqrt{2}}{2}} = 3.357$$

$$\alpha = 73.412^\circ$$



$$\vec{\Sigma} = 7.43 \angle 73.412^\circ$$